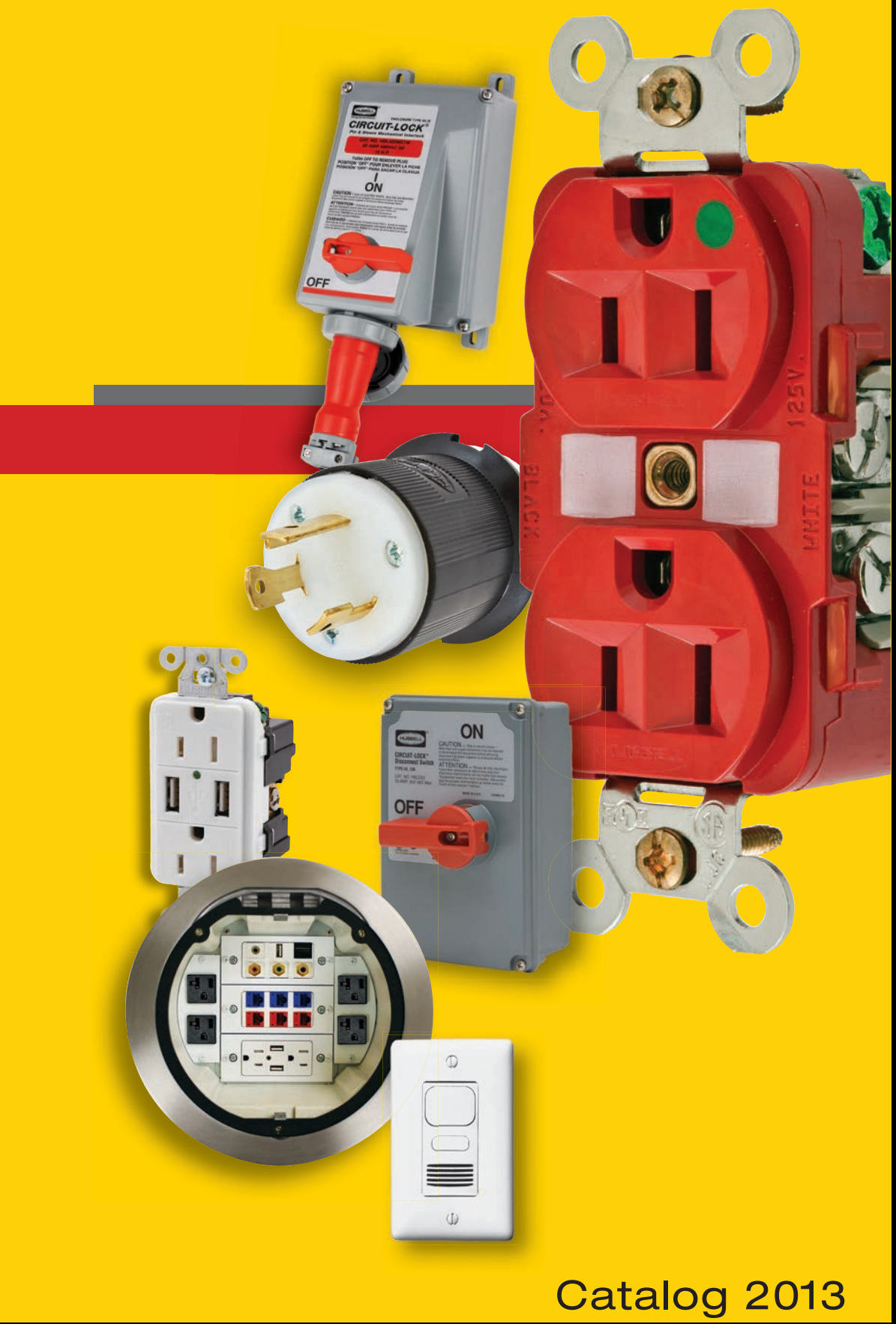


HUBBELL

WIRING DEVICE-KELLEMS

Catalog 2013

HUBBELL®

HUBBELL When reliability and performance matter

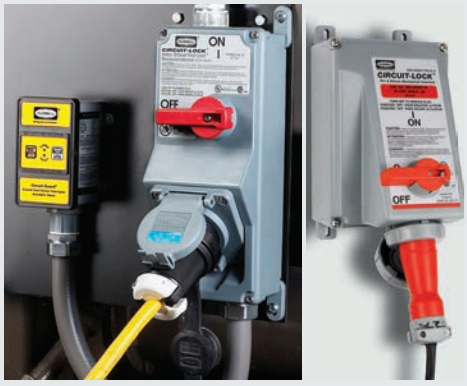
HUBBELL

For more than a century, Hubbell Wiring Device-Kellems has offered distributors, end-user customers and specifers the electrical and electronic wiring devices, wire management systems, and specialized wiring products and solutions needed for industrial, institutional, commercial, and residential markets.

Not only do Hubbell products and solutions make it easy to save time and money while ensuring consistency during installation – but they're also designed with safety and energy efficiency as top priorities.

SAFETY

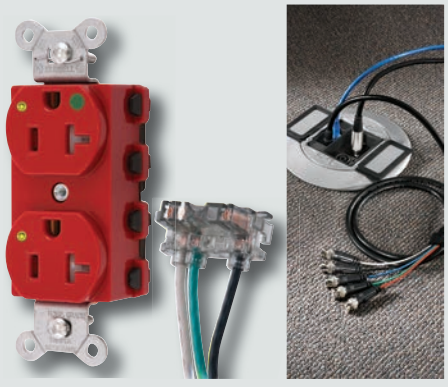
Ensuring the safety of people and equipment while still effectively delivering power and technology is priority number one, which is why Hubbell products provide essential protection against injury and the dangers of electricity.



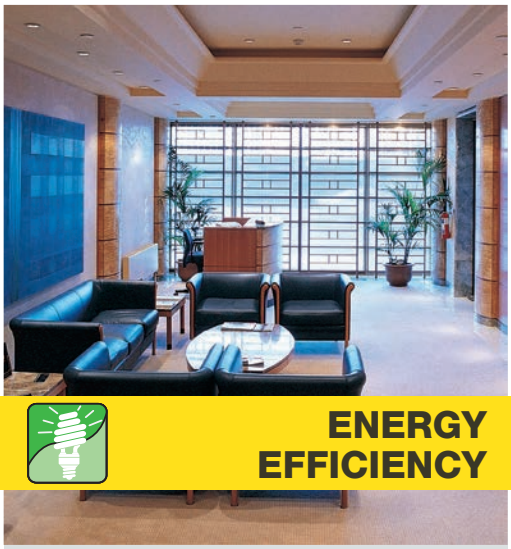
- Twist-Lock Devices
- Motor Disconnects
- Tamper-Resistant Receptacles
- Watertight Devices
- GFCI and Isolated Ground Receptacles
- Pin and Sleeve Devices

INSTALLATION EFFICIENCY

The labor-saving enhancements of Hubbell products keep renovation, modernization, and new construction projects on schedule and allow contractors to complete more jobs in a smaller amount of time.



- Hubbell SNAP*Connect*® Receptacles
- Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Pre-Wired Raceway
- Pre-Wired Work Box
- Wireless Sensor



ENERGY EFFICIENCY

Hubbell products are innovatively designed to maximize energy efficiency, reduce costs, and ultimately lead to a lower total cost of ownership.

- H-MOSS® Ceiling and Wall Sensors
- Wireless Sensors
- Hi-Bay Sensors
- USB Receptacle

DELIVERY

Delivery systems from Hubbell offer safe and effective routing, management, delivery, and protection of a wide range of power, data, and AV solutions.

- Floor Boxes
- Fire-Rated Poke-Throughs
- Surface Raceway
- Wall Duct
- FPTV Box
- Pre-Wired Work Box
- Table Top box

DATACOM

Hubbell's datacom solutions make up the most comprehensive product line available for commercial, institutional, and government applications, combining safety, efficiency, and cost savings.

- Modular Jacks
- Audio/Video Keystone Connectors
- HDMI Connectors
- Hubbell iSTATION Modules and Plates
- Network Enclosures
- Network Modules

Table of Contents – Sections Overview

A Straight Blade Devices

- Heavy Duty Industrial Receptacles
- SNAP*Connect*® Receptacles
- Hubbell-PRO HD Specification Grade
- USB Receptacles
- Insulgrip® Plugs and Connectors

B Twist-Lock® and Hubbellock® Devices

- Midget Twist-Lock® Devices
- Twist-Lock® Devices
- Mechanical Interlock Switched Safety Enclosures
- 50A Twist-Lock® Devices
- Hubbellock® Devices

C Watertight Devices

- 15A and 20A, Straight Blade Devices
- 15A, 20A and 30A, Twist-Lock® Devices
- Portable Outlet Boxes and Covers
- Heavy Duty Portable Outlet Boxes & Plates

D Switches

- SNAP*Connect*® Switches
- Heavy Duty Industrial Grade Switches
- Hubbell-PRO Heavy Duty Industrial Series
- Specification Grade Commercial Series
- Style Line® Decorator Series Specification Grade

E H-MOSS® Controls

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- Wall Switches
- Ceiling Sensors
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- H-MOSS®|MAXX™ Occupancy Sensors

F Switched Disconnects and Enclosures

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- MotorQuick® Products
- Circuit-Lock® Fused Disconnects
- Hazardous Locations Devices
- AC Manual Toggle Controllers/Disconnects

G Pin and Sleeve Devices/Mechanical Interlocks

- IEC Pin and Sleeve Watertight Devices
- Low Profile Pin and Sleeve Devices
- Mechanical Interlocks
- Insulgrip® Pin and Sleeve Devices
- Hazardous Locations Devices

H Single Pole Devices and Temporary Power

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- Portable Outlet Boxes and Plates
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- Mini-, Micro- & Nano-Quick Control Connectors
- CableTrak® Hose and Cable Carrier System
- PANEL-SAFE® Power & Data Access Ports
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J Cable, Cord and Hose Reels

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- Industrial Power Cord Reels
- Lighted Cord Reels
- Commercial Cord Reels
- Air/Water Hose and Static Discharge Reels

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- Commercial LED Series
- Pre-Wired/Leaded LED Series
- SNAP*Connect*® GFCI Series
- GFCI Sensing Module
- GFCI Portable Products

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- Hospital Grade Plugs and Connectors
- USB Receptacles
- Hospital Grade GFCIs
- Hubbellock® Devices

M SpikeShield® Power Quality Products

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- Surge Protection Plug Strips
- Surge Protection Receptacles
- Surge Protection Strips & Receptacles
- Isolated Ground Devices

N Wallplates and Covers

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- Pre-Marked Wallplates
- Security Wallplates
- Weatherproof Plates
- Heavy Duty Weatherproof Covers

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- Flush Round and Rectangular Floor Boxes
- Convention Center Utility Box
- CONNEXION Zone Distribution System
- Furniture Connectivity Boxes

P Fire-Rated Poke-Through (FRPT) Devices

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- Hubbell SystemOne FRPT
- 2X2 Flush FRPT
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- Specifications and Dimensional Information
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- Aluminum Raceway and PlugTrak®
- Non-Metallic Raceway and PlugTrak®
- Pre-Wired Raceway

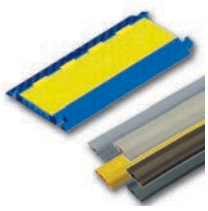
S Trench and Wall Duct Products

- Key Features and Benefits
- HBL Trench Duct Series
- Hubbell Wall Duct Series
- Hubbell Duct Ordering Process

T Wire Basket Tray

- Key Features and Benefits
- Pre-Galvanized Wire Basket Trays
- Supports and Brackets
- Accessories
- Create a Bill of Material

U Hose and Cable Protection Systems



- AccessTrak® System
- TrukTrak® System
- TredTrak® System
- FloorTrak® System

V Wire Management Products

- Pulling Grips and Support Grips
- Fiber Optic Cable Grips
- Strain Relief for Flexible Cords
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W Network Wiring and netSELECT® Products

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- Hubbell iSTATION Products
- In-Wall AV Delivery
- HDMI Connectors
- Molded-In Voice/Data/Video

X tradeSELECT® Products

- Decorator Products
- Switches and Receptacles
- USB Receptacles
- Lighting Controls
- Power Delivery

Y Marine Products

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- 100A and 200A Cable Sets
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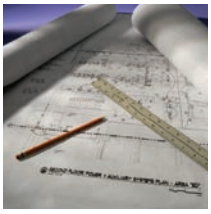
Z Other Wiring Products

- Adapters and Fluorescent Starters
- Lockout Devices and Circuit Tester
- Lampholders
- Lampholder Accessories
- Taps, Adapters, Plugs and Connectors

General Technical Data



- Industry Standards
- Certification Agencies and Markings
- Codes and Standards Organizations
- NEMA and IEC Classifications
- Circuit Wiring Diagrams

Hubbell Configuration Charts (page VI-VII)

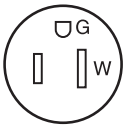
Catalog Number Index

NEMA Straight Blade Devices

Rating			15 Ampere		20 Ampere		30 Ampere		50 Ampere		60 Ampere	
			Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
2 Pole / 2 Wire	125V	1	A-34 1-15R	A-34 1-15P								
2 Pole / 2 Wire	250V	2			A-34 2-20R	A-34 2-20P						
2 Pole / 3 Wire Grounding	125V	5	A-3 to A-9 A-12 A-13 A-15 to A-18 A-20 to A-23 5-15R	A-9 A-28 A-30 A-37 A-44 C-6 Y-35 5-15P	A-3 to A-9 A-12 A-13 A-15 to A-18 A-20 to A-23 5-20R	A-6 A-28 A-30 A-37 C-6 Y-37 5-20P	A-39 5-30R	A-39 5-30P	A-41 5-50R	A-41 5-50P		
2 Pole / 3 Wire Grounding	250V	6	A-10 A-31 A-33 C-6 6-15R	A-10 A-32 C-6 6-15P	A-7 A-31 A-33 C-6 6-20R	A-7 A-32 C-6 6-20P	A-39 6-30R	A-39 6-30P	A-41 6-50R	A-41 6-50P		
2 Pole / 3 Wire Grounding	277V AC	7	A-34 7-15R	A-34 7-15P			A-39 7-30R	A-39 7-30P	A-41 7-50R	A-41 7-50P		
3 Pole / 3 Wire	125/250V AC	10			A-35 10-20R	A-35 10-20P	A-39 10-30R	A-39 10-30P	A-41 10-50R	A-41 10-50P		
3 Pole / 4 Wire Grounding	125/250V AC	14			A-35 14-20R	A-35 14-20P	A-40 14-30R	A-40 14-30P	A-42 14-50R	A-42 14-50P	A-43 14-60R	A-43 14-60P
3 Pole / 4 Wire Grounding	3Ø 250V AC	15			A-35 15-20R	A-35 15-20P	A-40 15-30R	A-40 15-30P	A-42 15-50R	A-42 15-50P	A-43 15-60R	A-43 15-60P
4P / 4W	3ØY 120/208V AC	18			A-35 18-20R	A-35 18-20P	A-40 18-30R	A-40 18-30P	A-42 18-50R	A-42 18-50P	A-43 18-60R	A-43 18-60P

HOW TO USE THIS CHART:

For quick reference, this chart shows the configuration, primary catalog section and page number where the devices are shown.



Open Slots indicates Receptacle / Connector Body configurations (female).

Closed Slots indicates Plug / Inlet configurations (male).

NEMA Configuration

Catalog Section and Page Number

A-3
A-7
A-16
C-6
Y-35

5-15R

IMPORTANT NOTICE:

The catalog pages referenced in **BLUE** are Insulgrip®, Valise®, Safety-Shroud® and Watertight Safety-Shroud® devices, in **RED** are Watertight devices, and in **ORANGE** are Marine corrosion resistant devices

NEMA Twist-Lock® Devices

Rating			15 Ampere		20 Ampere		30 Ampere	
	Color Coded by Voltage		Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet
2 Pole / 2 Wire	125V	L1	B-9 L1-15R	B-9 L1-15P				
	250V	L2			B-17 L2-20R	B-17 L2-20P		
2 Pole / 3 Wire Grounding	125V	L5	B-11 C-7 Y-34 L5-15R	B-10 C-7 Y-34 L5-15P	B-19 C-7 Y-36 L5-20R	B-18 C-7 Y-36 L5-20P	B-27 C-8 L5-30R	B-26 C-8 L5-30P
	250V	L6	B-11 C-7 L6-15R	B-10 C-7 L6-15P	B-19 C-7 L6-20R	B-18 C-7 L6-20P	B-27 C-8 L6-30R	B-26 C-8 L6-30P
	277V AC	L7	B-11 C-7 L7-15R	B-10 C-7 L7-15P	B-19 C-7 L7-20R	B-18 C-7 L7-20P	B-27 C-8 L7-30R	B-26 C-8 L7-30P
	480V AC	L8			B-22 L8-20R	B-22 L8-20P	B-35 L8-30R	B-35 L8-30P
	600V AC	L9			B-22 L9-20R	B-22 L9-20P	B-35 L9-30R	B-35 L9-30P
3P / 3W	125/250V AC	L10			B-22 L10-20R	B-22 L10-20P	B-29 L10-30R	B-28 L10-30P
3 Pole / 4 Wire Grounding	125/250V AC	L14			B-21 C-8 L14-20R	B-20 C-8 L14-20P	B-29 C-9 L14-30R	B-28 C-9 L14-30P
	3Ø 250V AC	L15			B-21 C-8 L15-20R	B-20 C-8 L15-20P	B-29 C-9 L15-30R	B-28 C-9 L15-30P
	3Ø 480V AC	L16			B-21 C-8 L16-20R	B-20 C-8 L16-20P	B-31 C-9 L16-30R	B-30 C-9 L16-30P
	3Ø 600V AC	L17					B-31 C-9 L17-30R	B-30 C-9 L17-30P
4 Pole / 4 Wire	3ØY 120/208V AC	L18			B-23 L18-20R	B-23 L18-20P	B-34 C-9 L18-30R	B-34 C-9 L18-30P
	3ØY 277/480V AC	L19			B-23 L19-20R	B-23 L19-20P	B-34 L19-30R	B-34 L19-30P
	3ØY 347/600V AC	L20			B-23 L20-20R	B-23 L20-20P	B-34 L20-30R	B-34 L20-30P
4 Pole / 5 Wire Grounding	3ØY 120/208V AC	L21			B-25 L21-20R	B-24 L21-20P	B-33 L21-30R	B-32 L21-30P
	3ØY 277/480V AC	L22			B-25 L22-20R	B-24 L22-20P	B-33 L22-30R	B-32 L22-30P
	3ØY 347/600V AC	L23			B-25 L23-20R	B-24 L23-20P	B-33 L23-30R	B-32 L23-30P
2P/ 3W	347V AC	L24			B-22 L24-20R	B-22 L24-20P		

MIDGET TWIST-LOCK® DEVICES

	Rating	Receptacle	Plug
2P / 2W	15A 125V	B-5 ML-1R	B-4 ML-1P
2P / 3W Gr	15A 125V	B-5 ML-2R	B-4 ML-2P
3P / 3W	15A 125/250V AC	B-5 ML-3R	B-4 ML-3P

50A TWIST-LOCK® DEVICES

	Rating	Receptacle	Plug
2 Pole / 3 Wire Grounding	50A 125V Corrosion Resistant ANSI C73-110 / NEMA SS1-50 Marine Products	Y-12 Y-13	Y-12 Y-13
	50A 125V	B-56	B-56
	50A 250V	B-56	B-56
	50A 480V AC	B-56	B-56
3 Pole / 4 Wire Grounding	50A 125/250V Corrosion Resistant ANSI C73-111 / NEMA SS2-50 Marine Products	Y-14 Y-15	Y-14 Y-15
	50A 125/250V AC	B-57	B-57
	50A 3Ø 250V AC	B-57	B-57
	50A 3Ø 480V AC	B-57	B-57

NON-NEMA TWIST-LOCK® DEVICES

	Rating	Receptacle	Plug
3 Pole / 3 Wire	20A 125/250V	B-43 C-8	B-42 C-8
	30A 125/250V	B-45 C-9	B-44 C-9
4 Pole / 4 Wire	20A 3ØY 120/208V AC	B-43	B-42
	30A 3ØY 120/208V AC	B-45 C-9	B-44 C-9
4P/5W Gr	20A 250V 10A 600V AC	B-46	B-46

General Information

Industrial and Commercial Wiring Devices and Systems
Kellems Wire Management Products
Residential Products
Marine Products

MEMBER NEMA Setting Standards for Excellence

National Electrical Manufacturers Association

NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.

NAED ASSOCIATE

National Association of Electrical Distributors

Since 1908, NAED has served as the trade association for the electrical distribution industry.

To be an NAED associate member, your company must be a manufacturer or value-added reseller.

RoHS

Restriction of Hazardous Substances

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".

U.S. GREEN BUILDING COUNCIL MEMBER

U.S. Green Building Council Member

Hubbell is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.

Certified System ™ ISO 9001

International Organization for Standardization

ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

Precautions have been taken to assure accuracy of the information in this catalog. Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. Hubbell reserves the right to make product changes from time to time, without prior notification, which may change the dimensions shown. We, therefore, recommend they be checked before using for customer projects or product development and specification.

The designs and dimensions of the products listed in this catalog, were correct at the date of publication and are subject to change without notice.

All configuration diagrams shown in the various sections of the catalog are female devices (receptacles, connector bodies, etc.) unless otherwise indicated.

No material will be accepted for return unless permission is granted in writing by this Company. All orders received for special items and engraved plates are accepted as firm orders and are non-cancelable by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

The following trademarks of Hubbell Incorporated, are your assurance of the highest quality wiring devices and wiring management products in the Industry.

- 4-PLEX®
- AccessTrak®
- ADD-A-SHROUD®
- AUTOGUARD®
- BaseTrak®
- CableTrak®
- CircuitGuard®
- Circuit-Lock®
- CircuitPro®
- Dua-Pull®
- Elastogrip®
- FloorTrak®
- Gotcha®
- Gripulator®
- HBL®
- H-MOSS®
- H-MOSS®IMAXX™
- Handi-Screw®
- Hubbell®
- Hubbell Juniors®
- Hubbellock®
- Hubbellnet®
- Insulgrip®
- Insulgrip Twist-Lock®
- JLOAD®
- Kellems®
- LANTrak®
- LINKOSITY®
- Micro-Quick®
- Mini-Quick®
- MotorQuick®
- Nano-Quick®
- netSELECT®
- NEXTSPEED®
- OPTIMYZER®
- OPTISOK®
- PANEL-SAFE®
- PLUG-CHECK®
- PLUGOUT®
- PlugTrak®
- PolyTrak®
- PolyTuff®
- PremiseTrak®
- PresSwitch®
- RACO®
- Safety-Shroud®
- ScrubShield®
- Seal-Tite®
- Signal-Quick®
- SNAPConnect®
- SPEEDGAIN®
- Spider®
- SpikeShield®
- Style Line®
- Super BaseTrak®
- Super Twist-Lock®
- SWITCHOUT®
- SwivelLok®
- tradeSELECT®
- TredTrak®
- TrukTrak®
- Twist-Lock®
- Valise®
- Variload®
- VARI-SIZE®
- WallTrak®

UPC Vendor Code No. 783585 - Hubbell Wiring Device-Kellems
CAGE No. 74545
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Section A
Straight Blade Devices

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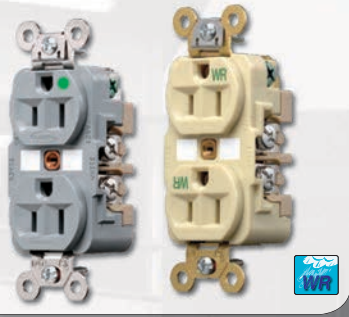
HBL® Extra Heavy Duty Industrial Series



SNAP*Connect*® Receptacles

Commercial Specification Grade

Insulgrip® Plugs and Connectors

HBL® Extra Heavy Duty Hospital Grade Duplex Receptacles

Features and Benefits

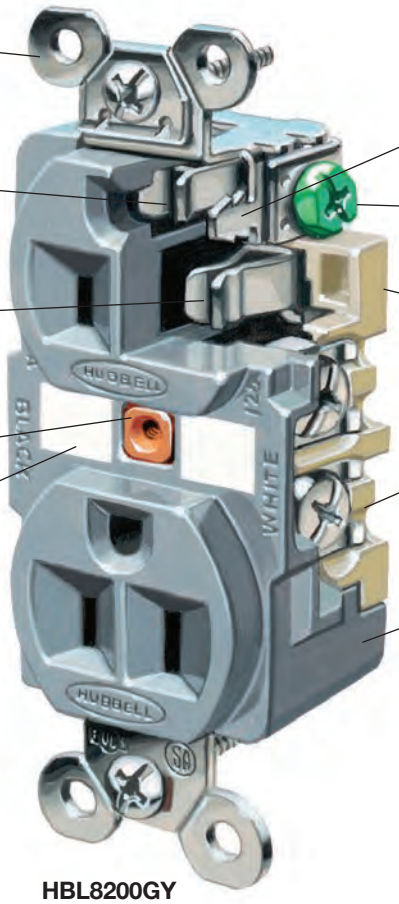
One-piece nickel-plated brass integral ground strap for greater corrosion resistance

Patented ground contact provides redundant grounding

Unique bypass contact design results in greater contact force and reduced heat buildup

Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

I.D. marking surface provides quick, sure circuit identification



HBL8200GY

Barbed assembly arms reduce possibility of face/base separation

Back wired ground terminal allows faster, easier installation

RTP base offers greater heat resistance, plus contact stability

External bundling terminals contain wire strands and are designed for quick inspection

Deep body design increases impact and chemical resistance

Hubbell "Hospital Grade" Devices

To qualify for the "Hospital Grade" designation and use of the associated green dot symbol, UL requires that the manufacturer design its devices to perform to specific levels. These levels form an established baseline below which no manufacturer can fall and still carry a green dot.

Hubbell sets their standards high. Each product is built to withstand the severe conditions of abuse that are unique to the hospital environment. Hubbell receptacles have exclusive design features that set them apart from the competition.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature.
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas.
- High tech reinforced thermoplastic polyester (RTP) back is tough and heat resistant.

Because of these features and others, the benefit is performance, reliability, and value for any health care facility.

One piece, nickel plated brass mounting strap with integral ground contacts, along with secondary ground contact, provides superior grounding for low resistance flow of fault currents as well as corrosion resistance. Barbed locking arms keep the face locked in place to diminish potential for face/base separation. Back wired ground screw reduces installation time.

Exclusive bypass contacts are made of nickel-plated brass alloy. This design increases blade retention forces, insuring a reliable uninterrupted flow of power.

Reinforced thermoplastic back provides superior thermal, electrical and mechanical properties. By providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance.

External wiring clamps allow for visual inspection of the terminals. A unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination.

HBL® Extra Heavy Duty Hospital Grade ● Receptacles

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Black	**HBL8200BK**	**–**
	Blue	**–**	**HBL8300BL**
	Brown	**HBL8200**	**HBL8300**
	Gray	**HBL8200GY**	**HBL8300GY**
	Ivory	**HBL8200I**	**HBL8300I**
	Light Almond	**HBL8200LA**	**HBL8300LA**
	Red	**HBL8200RED**	**HBL8300RED**
	White	**HBL8200W**	**HBL8300W**
Flush, LED illuminated face, back and side wired.	Gray	**HBL8200ILGY**	**HBL8300ILGY**
	Ivory	**HBL8200ILI**	**HBL8300ILI**
	Red	**HBL8200ILR**	**HBL8300ILR**
	White	**HBL8200ILW**	**HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown	**HBL8200SGA**	**HBL8300SGA**
	Gray	**HBL8200SGGYA**	**HBL8300SGGYA**
	Ivory	**HBL8200SGIA**	**HBL8300SGIA**
	Light Almond	**HBL8200SGLA**	**HBL8300SGLA**
	Red	**HBL8200SGRA**	**HBL8300SGRA**
	White	**HBL8200SGWA**	**HBL8300SGWA**
Isolated ground[Δ].	Orange	**IG8200**	**IG8300**
	Red	**IG8200R**	**IG8300R**

MRI Receptacle, Duplex

Description	Color	Catalog Number	
MRI receptacle, flush, thermoplastic polyester face, back and side wired.	Ivory	**HBL8200IMRI**	**HBL8300IMRI**
	Light Almond	**HBL8200LAMRI**	**HBL8300LAMRI**
	Red	**HBL8200RMRI**	**HBL8300RMRI**
	White	**HBL8200WMRI**	**HBL8300WMRI**

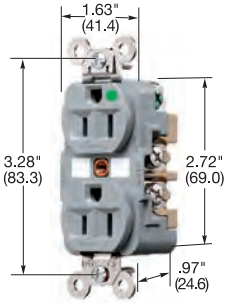
Slender/Compact, Duplex

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.	Brown	**HBL8200H**	**HBL8300H**
	Gray	**HBL8200HG**	**HBL8300HG**
	Green	**–**	**HBL8300HGN**
	Ivory	**HBL8200HI**	**HBL8300HI**
	Light Almond	**HBL8200HLA**	**HBL8300HLA**
	Red	**HBL8200HRED**	**HBL8300HRED**
	White	**HBL8200HW**	**HBL8300HW**

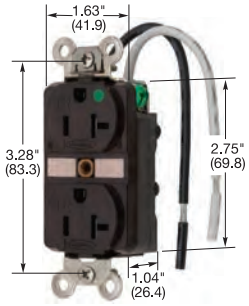
Style Line® Decorator*

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Brown	**HBL2172**	**HBL2182**
	Gray	**HBL2172GY**	**HBL2182GY**
	Ivory	**HBL2172I**	**HBL2182I**
	Office White	**–**	**HBL2182OW**
	Red	**HBL2172R**	**HBL2182R**
	White	**HBL2172WA**	**HBL2182WA**
Isolated ground[Δ].	Ivory	**–**	**IG2182I**
	Orange	**–**	**IG2182**
	White	**–**	**IG2182WA**

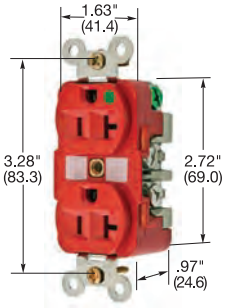
Note: [Δ]*See section M for additional information on isolated ground devices.*
**Not Fed. Spec. Listed.*
See page A-46 and A-47 for accessories.
See page A-50 for technical information.
See page Tech-10 for Tamper-Resistant description.
See section L for additional information on Hospital Grade products.
See section N for wallplates.



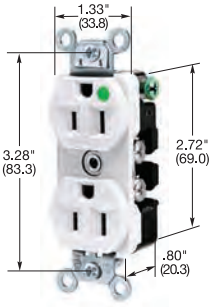
HBL8200GY



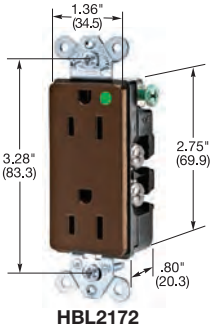
HBL8300SGA



HBL8300RMRI



HBL8200ILW



HBL2172

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Fed.Spec.

Extra Heavy Duty Hospital Grade SNAP*Connect*®

IP20 SUITABILITY

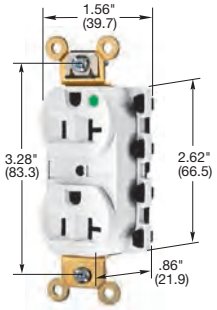
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

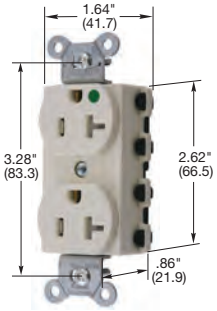
Duplex

Description	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA*. ** For Assembled in USA receptacles drop off the last "A" and add suffix NA. Ex: SNAP8200BKNA.*	Black	**SNAP8200BKA***	**SNAP8300BKA***
	Brown	**SNAP8200A***	**SNAP8300A***
	Gray	**SNAP8200GYA***	**SNAP8300GYA***
	Ivory	**SNAP8200IA***	**SNAP8300IA***
	Light Almond	**SNAP8200LAA***	**SNAP8300LAA***
	Red	**SNAP8200RA***	**SNAP8300RA***
	White	**SNAP8200WA***	**SNAP8300WA***
TR Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP8200BKTR**	**SNAP8300BKTR**
	Brown	**SNAP8200TR**	**SNAP8300TR**
	Gray	**SNAP8200GYTR**	**SNAP8300GYTR**
	Ivory	**SNAP8200ITR**	**SNAP8300ITR**
	Light Almond	**SNAP8200LATR**	**SNAP8300LATR**
	Red	**SNAP8200RTR**	**SNAP8300RTR**
	White	**SNAP8200WTR**	**SNAP8300WTR**
Isolated ground[A], Hospital grade, Tamper-Resistant.	Orange	**SNAP8200IGTR**	**SNAP8300IGTR**
	Red	**SNAP8200RIGTR**	**SNAP8300RIGTR**
PWR Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP8200BKL**	**SNAP8300BKL**
	Brown	**SNAP8200L**	**SNAP8300L**
	Gray	**SNAP8200GYL**	**SNAP8300GYL**
	Ivory	**SNAP8200IL**	**SNAP8300IL**
	Light Almond	**SNAP8200LAL**	**SNAP8300LAL**
	Red	**SNAP8200RL**	**SNAP8300RL**
	White	**SNAP8200WL**	**SNAP8300WL**
Isolated ground[A], Hospital grade, with Power Indicating LED.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP8200BKLTR**	**SNAP8300BKLTR**
	Brown	**SNAP8200LTR**	**SNAP8300LTR**
	Gray	**SNAP8200GYLTR**	**SNAP8300GYLTR**
	Ivory	**SNAP8200ILTR**	**SNAP8300ILTR**
	Light Almond	**SNAP8200LALTR**	**SNAP8300LALTR**
	Red	**SNAP8200RLTR**	**SNAP8300RLTR**
	White	**SNAP8200WLTR**	**SNAP8300WLTR**
Isolated ground[A], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP8200IGLTR**	**SNAP8300IGLTR**
	Red	**SNAP8200RIGLTR**	**SNAP8300RIGLTR**

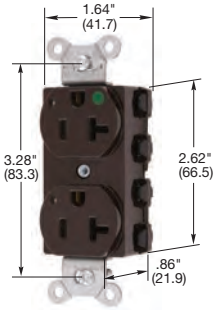
Note: [A]See section M additional information on isolated ground devices.
See page A-14 for additional information on SNAPConnect® features.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See pages A-46 and A-47 for accessories.
See page A-54 for technical information.
See section N for wallplates.
Consult factory for available Split-Circuit capable SNAPConnect® devices.



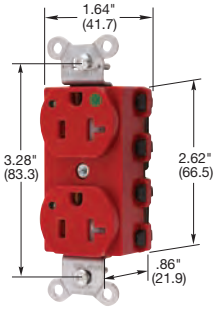
SNAP8300WA



SNAP8300LATR



SNAP8300L

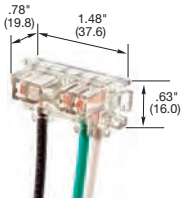


SNAP8300RLTR

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

Note: For Assembled in USA products, must order connector with NA suffix.
See page A-54 for technical information.



SNAP1RA

Dimensions in Inches (mm)

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Extra Heavy Duty Hospital Grade ● SNAP*Connect*®

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA*. ** For Assembled in USA receptacles drop off the last "A" and add suffix NA. Ex: SNAP2172BKNA.*	Black	**SNAP2172BKA***	**SNAP2182BKA***
	Brown	**SNAP2172A***	**SNAP2182A***
	Gray	**SNAP2172GYA***	**SNAP2182GYA***
	Ivory	**SNAP2172IA***	**SNAP2182IA***
	Light Almond	**SNAP2172LAA***	**SNAP2182LAA***
	Red	**SNAP2172RA***	**SNAP2182RA***
	White	**SNAP2172WA***	**SNAP2182WA***
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2172BKTR**	**SNAP2182BKTR**
	Brown	**SNAP2172TR**	**SNAP2182TR**
	Gray	**SNAP2172GYTR**	**SNAP2182GYTR**
	Ivory	**SNAP2172ITR**	**SNAP2182ITR**
	Light Almond	**SNAP2172LATR**	**SNAP2182LATR**
	Red	**SNAP2172RTR**	**SNAP2182RTR**
	White	**SNAP2172WTR**	**SNAP2182WTR**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP2172IGTR**	**SNAP2182IGTR**
	Red	**SNAP2172RIGTR**	**SNAP2182RIGTR**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2172BKL**	**SNAP2182BKL**
	Brown	**SNAP2172L**	**SNAP2182L**
	Gray	**SNAP2172GYL**	**SNAP2182GYL**
	Ivory	**SNAP2172IL**	**SNAP2182IL**
	Light Almond	**SNAP2172LAL**	**SNAP2182LAL**
	Red	**SNAP2172RL**	**SNAP2182RL**
	White	**SNAP2172WL**	**SNAP2182WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2172BKLTR**	**SNAP2182BKLTR**
	Brown	**SNAP2172LTR**	**SNAP2182LTR**
	Gray	**SNAP2172GYLTR**	**SNAP2182GYLTR**
	Ivory	**SNAP2172ILTR**	**SNAP2182ILTR**
	Light Almond	**SNAP2172LALTR**	**SNAP2182LALTR**
	Red	**SNAP2172RLTR**	**SNAP2182RLTR**
	White	**SNAP2172WLTR**	**SNAP2182WLTR**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP2172IGLTR**	**SNAP2182IGLTR**
	Red	**SNAP2172RIGLTR**	**SNAP2182RIGLTR**

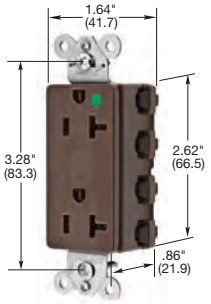
Note: [Δ]See section M additional information on isolated ground devices.
See page A-14 for additional information on SNAPConnect® features.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See pages A-46 and A-47 for accessories.
See page A-54 for technical information.
See section N for wallplates.
Consult factory for available Split-Circuit capable SNAPConnect® devices.

SNAP*Connect*® Right Angle Pigtailed Connector

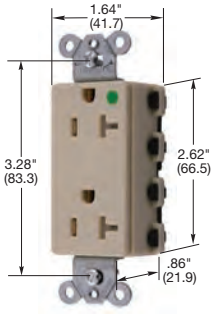
Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

Note: For Assembled in USA products, must order connector with NA suffix.
See page A-54 for technical information.

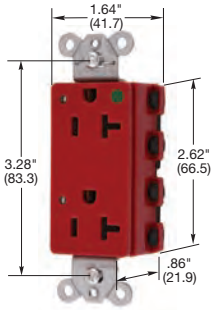
Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



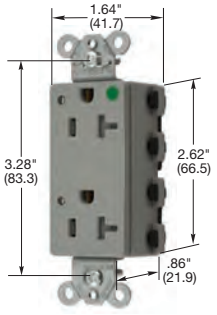
SNAP2182A



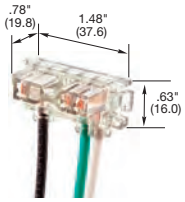
SNAP2182ITR



SNAP2182RL

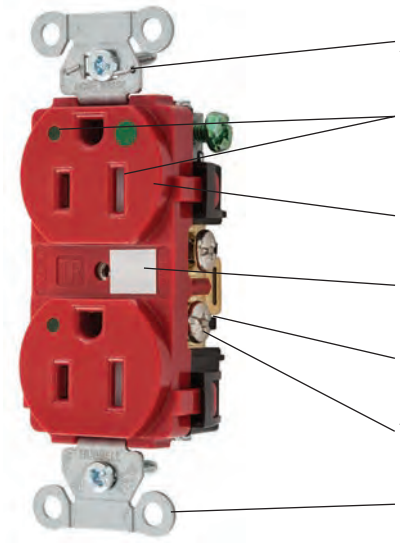


SNAP2182GYLTR

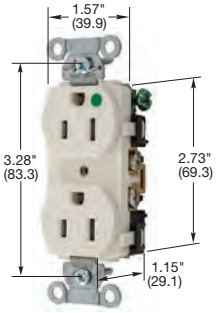


SNAP1RA

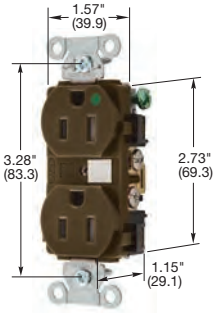
Dimensions in Inches (mm)



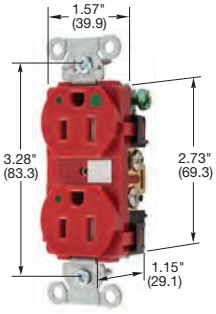
8200REDLTR



8200LA



8200TR



8200REDLTR

Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Hospital Grade ● Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

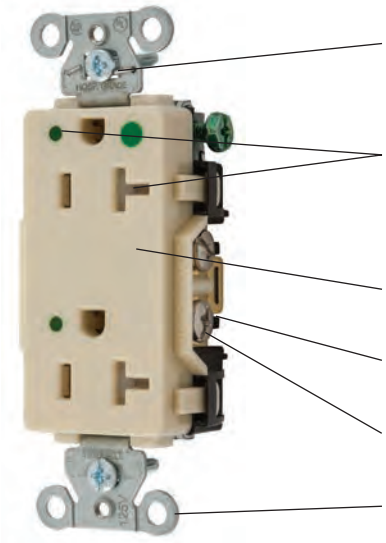
20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

Description	Color	Catalog Number	
Hospital grade, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BK**	**8300BK**
	Brown	**8200**	**8300**
	Gray	**8200GY**	**8300GY**
	Ivory	**8200IV**	**8300IV**
	Light Almond	**8200LA**	**8300LA**
	Red	**8200RED**	**8300RED**
	White	**8200WHI**	**8300WHI**
TR Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKTR**	**8300BKTR**
	Brown	**8200TR**	**8300TR**
	Gray	**8200GYTR**	**8300GYTR**
	Ivory	**8200IVTR**	**8300IVTR**
	Light Almond	**8200LATR**	**8300LATR**
	Red	**8200REDTR**	**8300REDTR**
	White	**8200WTR**	**8300WTR**
PWR Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKL**	**8300BKL**
	Brown	**8200L**	**8300L**
	Gray	**8200GYL**	**8300GYL**
	Ivory	**8200IVL**	**8300IVL**
	Light Almond	**8200LAL**	**8300LALM**
	Red	**8200REDL**	**8300REDL**
	White	**8200WL**	**8300WL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKLTR**	**8300BKLTR**
	Brown	**8200LTR**	**8300LTR**
	Gray	**8200GYLTR**	**8300GYLTR**
	Ivory	**8200IVLTR**	**8300IVLTR**
	Light Almond	**8200LALTR**	**8300LALTR**
	Red	**8200REDLTR**	**8300REDLTR**
	White	**8200WLTR**	**8300WLTR**

Note: See pages A-46 and A-47 for accessories.
See page A-55 for technical information.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section N for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



2182IVLTR

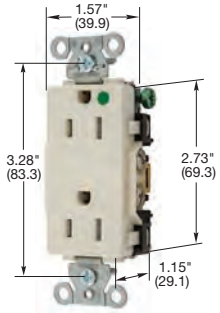
Hubbell-PRO Heavy Duty Hospital Grade ● Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

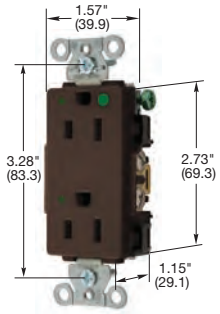
Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BK**	**2182BK**
	Brown	**2172**	**2182**
	Gray	**2172GY**	**2182GY**
	Ivory	**2172IV**	**2182IV**
	Light Almond	**2172LA**	**2182LA**
	Red	**2172RED**	**2182RED**
	White	**2172W**	**2182W**
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKTR**	**2182BKTR**
	Brown	**2172TR**	**2182TR**
	Gray	**2172GYTR**	**2182GYTR**
	Ivory	**2172IVTR**	**2182IVTR**
	Light Almond	**2172LATR**	**2182LATR**
	Red	**2172REDTR**	**2182REDTR**
	White	**2172WTR**	**2182WTR**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKL**	**2182BKL**
	Brown	**2172L**	**2182L**
	Gray	**2172GYL**	**2182GYL**
	Ivory	**2172IVL**	**2182IVL**
	Light Almond	**2172LAL**	**2182LAL**
	Red	**2172REDL**	**2182REDL**
	White	**2172WL**	**2182WL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKLTR**	**2182BKLTR**
	Brown	**2172LTR**	**2182LTR**
	Gray	**2172GYLTR**	**2182GYLTR**
	Ivory	**2172IVLTR**	**2182IVLTR**
	Light Almond	**2172LALTR**	**2182LALTR**
	Red	**2172REDLTR**	**2182REDLTR**
	White	**2172WLTR**	**2182WLTR**



2172LATR

TR

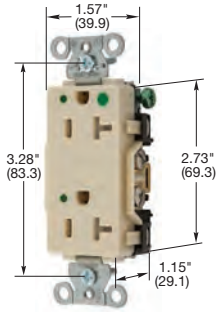


2172L

PWR

PWR

TR

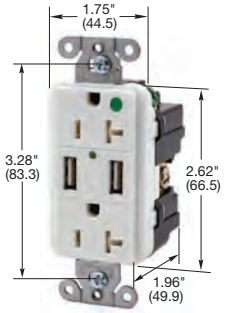


2182IVLTR

Dimensions in Inches (mm)

Note: See pages A-46 and A-47 for accessories.
See page A-55 for technical information.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section N for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



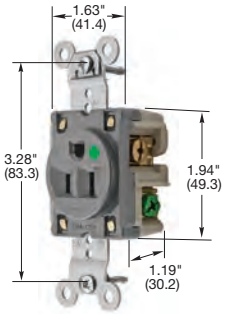
USB8300W

USB Charger Tamper-Resistant Hospital Grade ● Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	15A 125V AC	20A 125V AC
USB Charger Tamper-Resistant receptacle, Two USB Type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC decorator duplex	Black	**USB8200BK**	**USB8300BK**
	Brown	**USB8200**	**USB8300**
	Gray	**USB8200GY**	**USB8300GY**
	Ivory	**USB8200I**	**USB8300I**
	Light Almond	**USB8200LA**	**USB8300LA**
	Red	**USB8200R**	**USB8300R**
	White	**USB8200W**	**USB8300W**

Note: See page A-18 for additional information on standard USB charger.
See page A-56 for technical information.
See page Tech-10 for Tamper-Resistant description.



HBL8210GY

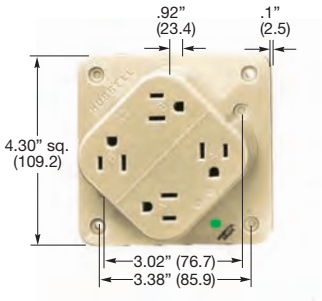
HBL® Extra Heavy Duty Hospital Grade ● Single Receptacles

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Flush, nylon face, back and side wired, Fed. Spec. verified.	Almond	–	**HBL8310AL**
	Brown	**HBL8210**	**HBL8310**
	Gray	**HBL8210GY**	**HBL8310GY**
	Ivory	**HBL8210I**	**HBL8310I**
	Red	**HBL8210R**	**HBL8310R**
	White	**HBL8210W**	**HBL8310W**
Panel mount on 1.94 in. (49.2) centers.	Brown	**HBL8284**	–
	Ivory	**HBL8284I**	**HBL8384I**
Isolated ground[Δ].	Orange	**IG8210**	**IG8310**

Note: [Δ]See section M for additional information on isolated ground devices.



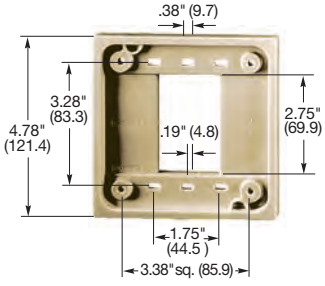
HBL415HI

4-PLEX® Hospital Grade ● Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	**HBL415H**	**HBL420H**
	Gray	–	**HBL420HGY**
	Ivory	**HBL415HI**	**HBL420HI**
	Red	**HBL415HR**	**HBL420HR**
	White	**HBL415HW**	**HBL420HW**
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Brown	**HBL4AP**	**HBL4AP**
	Gray	**HBL4APGY**	**HBL4APGY**
	Ivory	**HBL4API**	**HBL4API**
	Red	**HBL4APR**	**HBL4APR**
	White	**HBL4APW**	**HBL4APW**

Note: See page A-23 for additional information on 4-PLEX devices.
See page A-60 for technical information.
4-PLEX devices are not Fed. Spec. Listed.



HBL4API

Dimensions in Inches (mm)

IP20
SUITABILITY

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Hospital Grade ● Plugs

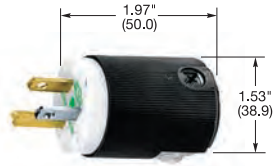
Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	–

*Note: *Not Fed. Spec. Listed.*
See page A-47 for accessories.



HBL8215C

HBL8215CAT

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Connector Bodies

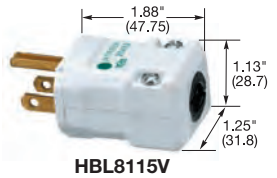
Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Valise®

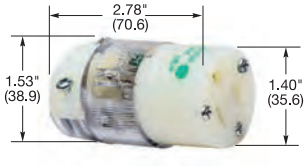
Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	–

Note: See page A-47 for accessories.



HBL8115V

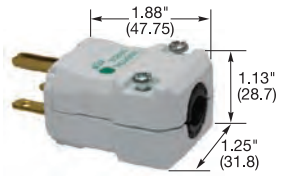
HBL8219C



HBL8219CT

HBL8119V

Dimensions in Inches (mm)



HBL8666V

IP20
SUITABILITY

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

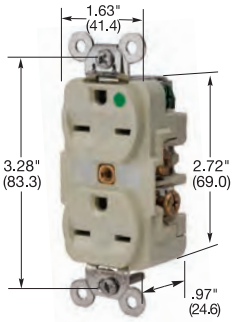
20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.



HBL8600I

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Receptacles

HBL® Extra Heavy Duty, Duplex

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Brown	**HBL8600**	**HBL8400**
	Ivory	**HBL8600I**	**HBL8400I**

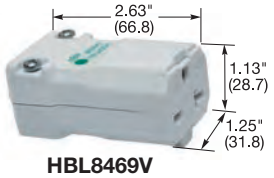
Note: See page A-46 for accessories.
See section N for wallplates.

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Number
White nylon.	.300"-.660" (7.6-16.8)	**HBL8469V**



HBL8469V

Dimensions in Inches (mm)

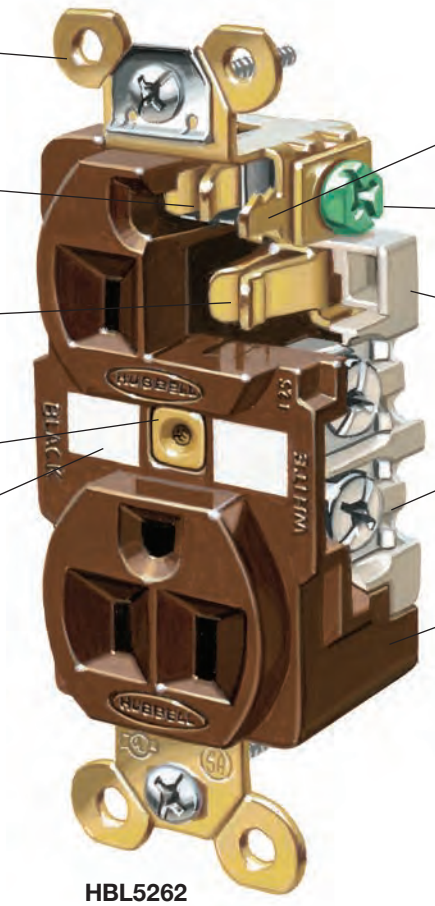
One-piece brass integral ground strap for low resistance of fault currents

Ground retention clips for longer, more consistent contact pressure

Exclusive bypass contact design results in greater contact force and reduced heat buildup

Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion

I.D. marking surface provides quick, sure circuit identification



Barbed assembly arms reduce possibility of face/base separation

Back wired ground terminal allows faster, easier installation

RTP base offers greater heat resistance, plus contact stability

External bundling terminals contain wire strands and are designed for quick inspection

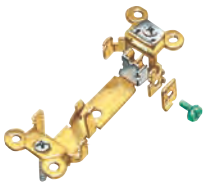
Deep nylon body design delivers increased impact resistance

HBL5262

Quality in Design

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262.

Whether in a factory, office building, school, hotel or shopping center, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.



One piece, all brass, mounting strap with integral ground contacts. The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout. Barbed brass locking arms keep the face locked in place to diminish potential for face/base separation. Back wired ground terminal reduces installation time and increases convenience.

The patented "bypass" contact design incorporates high-conductivity materials with superior spring characteristics for increased contact force and secure connections. Improved contact performance reduces heat buildup and ensures a reliable, uninterrupted flow of power.

Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties. By providing contact stability, this high tech material will reduce heat buildup, giving you long lasting performance.

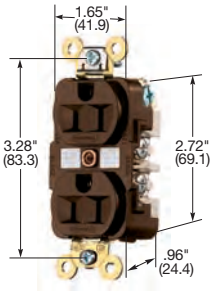
External wiring clamps feature large head brass screws (#10) for superior torque values. Visible brass terminal screws and clamps, with a unique strand containment feature, ensure 100% clamping of wire strands, reducing heat build up.

Fed.Spec.

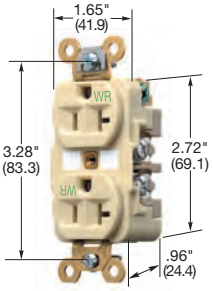
HBL® Extra Heavy Duty, Specification Grade, Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP



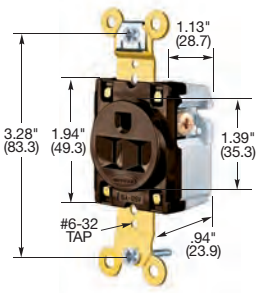
HBL5262



HBL5362IWR

Duplex

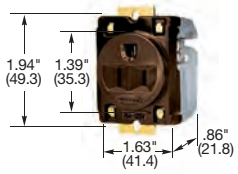
Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black	**HBL5262BK**	**HBL5362BK**
	Blue	**–**	**HBL5362BL**
	Brown	**HBL5262**	**HBL5362**
	Gray	**HBL5262GY**	**HBL5362GY**
	Ivory	**HBL5262I**	**HBL5362I**
	Red	**HBL5262R**	**HBL5362R**
	White	**HBL5262W**	**HBL5362W**
Isolated ground[A].	Gray	**IG5262GY**	**IG5362GY**
	Ivory	**IG5262I**	**IG5362I**
	Orange	**IG5262**	**IG5362**
	Red	**IG5262R**	**IG5362R**
	White	**–**	**IG5362W**
Non-isolated ground, bulk pack of 100.	Orange	**–**	**HBL5362M4**
Weather Resistant, flush, nylon face, back and side wired.	Black	**HBL5262BKWR**	**HBL5362BKWR**
	Brown	**HBL5262WR**	**HBL5362WR**
	Gray	**HBL5262GYWR**	**HBL5362GYWR**
	Ivory	**HBL5262IWR**	**HBL5362IWR**
	Red	**HBL5262RWR**	**HBL5362RWR**
	White	**HBL5262WWR**	**HBL5362WWR**
Corrosion resistant.	Ivory	**HBL52CM62I**	**–**
	Yellow	**HBL52CM62**	**HBL53CM62**
Weather Resistant, Isolated ground[A].	Gray	**IG5262GYWR**	**IG5362GYWR**
	Ivory	**IG5262IWR**	**IG5362IWR**
	Orange	**IG5262WR**	**IG5362WR**
	Red	**IG5262RWR**	**IG5362RWR**
	White	**–**	**IG5362WWR**
On 4 in. (101.6) round cover.	Brown	**HBL5282**	**–**



HBL5261

Single

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black	**HBL5261BK**	**HBL5361BK**
	Brown	**HBL5261**	**HBL5361**
	Gray	**–**	**HBL5361GRY**
	Ivory	**HBL5261I**	**HBL5361I**
	White	**–**	**HBL5361W**
Isolated ground[A].	Orange	**IG5261**	**IG5361**
Weather Resistant, Isolated ground[A].	Orange	**IG5261WR**	**IG5361WR**
Ring terminal connection.	Brown	**HBL5261RT**	**HBL5361RT**
	White	**HBL5261WRT**	**–**
	Yellow	**HBL5261YRT**	**–**
Weather Resistant, flush, nylon face, back and side wired.	Brown	**HBL5261WR**	**HBL5361WR**
	Gray	**HBL5261GRYWR**	**HBL5361GRYWR**
	Ivory	**HBL5261IWR**	**HBL5361IWR**
Corrosion resistant.	Yellow	**HBL52CM61**	**HBL53CM61**
Panel mount on 1.94 in. (49.3) centers.	Brown	**HBL5284**	**HBL5357**



HBL5284

Note: [A]*See section M for additional information on isolated ground devices..*
See pages A-46 and A-47 for accessories.
See page Tech-10 for Weather Resistant descriptions.
See section N for wallplates.

Dimensions in Inches (mm)

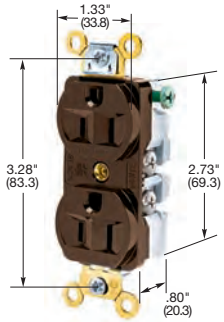
HBL® Extra Heavy Duty Compact Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

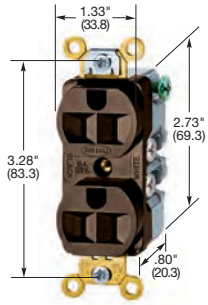
Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black	**HBL5252BK**	**HBL5352BK**
	Blue	**–**	**HBL5352BL**
	Brown	**HBL5252**	**HBL5352**
	Gray	**HBL5252GY**	**HBL5352GY**
	Ivory	**HBL5252I**	**HBL5352I**
	Red	**HBL5252R**	**HBL5352R**
	White	**HBL5252W**	**HBL5352W**
On a 4 in. (101.6) round cover.	Brown	**HBL5253**	**–**



HBL5252

Duplex

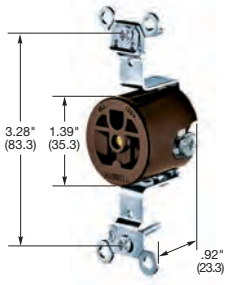
Description	Color	Catalog Number	
Flush, nylon face, side wired only.	Brown	**HBL5242**	**HBL5342**
	Gray	**HBL5242GY**	**HBL5342GY**
	Ivory	**HBL5242I**	**HBL5342I**
	White	**HBL5242W**	**HBL5342W**
Ring terminal connection.	Brown	**HBL5242RT**	**HBL5342RT**



HBL5242

Single

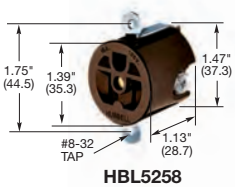
Description	Color	Catalog Number	
Flush, side wired only.	Brown	**HBL5251**	**–**
	Ivory	**HBL5251I**	**–**
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5258**	**HBL5358**
	Ivory	**HBL5258I**	**–**



HBL5251

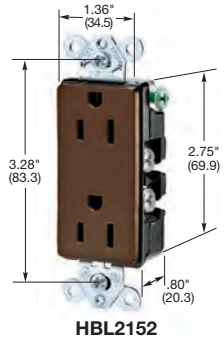
Style Line® Decorator*

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Almond	**HBL2152AL**	**HBL2162AL**
	Black	**HBL2152BK**	**HBL2162BK**
	Brown	**HBL2152**	**HBL2162**
	Gray	**HBL2152GY**	**HBL2162GY**
	Ivory	**HBL2152I**	**HBL2162I**
	Office White	**HBL2152OW**	**HBL2162OW**
	White	**HBL2152WA**	**HBL2162WA**
Isolated ground[Δ].	Gray	**–**	**IG2162GY**
	Orange	**IG2152**	**IG2162**



HBL5258

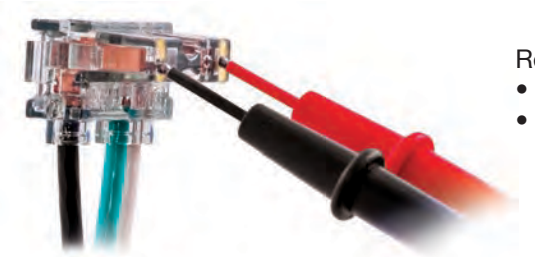
Note: [Δ]*See section M for additional information on isolated ground devices.*
**Style Line Duplex devices are not Fed. Spec. Listed.*
See page A-46 for accessories.
See section N for wallplates.



HBL2152

Dimensions in Inches (mm)

No Special Tester Required
.085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters



Installation ease
• Self-grounding clip

Requires minimal box space
• Compact size
• Clean finished look

Audible SNAP, indicates solid connection
• Secure, easy grip latch

Inspection of power contacts
• Clear terminal housing
• No exposed metal

SNAP1RA

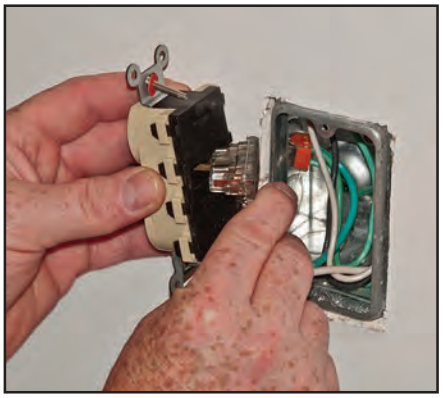
SNAP5362IA

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Labor Savings Feature!

Save one Minute!

Rough-in the SNAP*Connect*® terminal instead of pigtails.



Save Over Three Minutes!

Remove protective packaging and SNAP*Connect*® device to the circuit.

Complete Trim-Out in Less Than One Minute!

Secure mounting screws, attach wallplate, job complete.

Extra Heavy Duty SNAP*Connect*® Receptacles

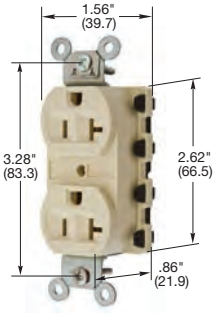
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

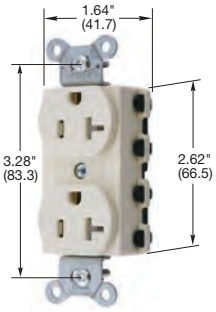
Description	Color	Catalog Number	
Specification grade, finder groove, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA*. ** For Assembled in USA receptacles, add suffix NA. Ex: SNAP5262BKANA.*	Black	**SNAP5262BKA***	**SNAP5362BKA***
	Brown	**SNAP5262A***	**SNAP5362A***
	Gray	**SNAP5262GYA***	**SNAP5362GYA***
	Ivory	**SNAP5262IA***	**SNAP5362IA***
	Light Almond	**SNAP5262LAA***	**SNAP5362LAA***
	Red	**SNAP5262RA***	**SNAP5362RA***
	White	**SNAP5262WA***	**SNAP5362WA***
Specification grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP5262BKTR**	**SNAP5362BKTR**
	Blue	**SNAP5262BLTR**	**SNAP5362BLTR**
	Brown	**SNAP5262TR**	**SNAP5362TR**
	Gray	**SNAP5262GYTR**	**SNAP5362GYTR**
	Ivory	**SNAP5262ITR**	**SNAP5362ITR**
	Light Almond	**SNAP5262LATR**	**SNAP5362LATR**
	Red	**SNAP5262RTR**	**SNAP5362RTR**
	White	**SNAP5262WTR**	**SNAP5362WTR**
Isolated ground[Δ], Specification grade, Tamper-Resistant.	Orange	**SNAP5262IGTR**	**SNAP5362IGTR**
Specification grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP5262BKL**	**SNAP5362BKL**
	Blue	**SNAP5262BLL**	**SNAP5362BLL**
	Brown	**SNAP5262L**	**SNAP5362L**
	Gray	**SNAP5262GYL**	**SNAP5362GYL**
	Ivory	**SNAP5262IL**	**SNAP5362IL**
	Light Almond	**SNAP5262LAL**	**SNAP5362LAL**
	Red	**SNAP5262RL**	**SNAP5362RL**
	White	**SNAP5262WL**	**SNAP5362WL**
Isolated ground[Δ], Specification grade, with Power Indicating LED.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Specification grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP5262BKLTR**	**SNAP5362BKLTR**
	Blue	**SNAP5262BLLTR**	**SNAP5362BLLTR**
	Brown	**SNAP5262LTR**	**SNAP5362LTR**
	Gray	**SNAP5262GYLTR**	**SNAP5362GYLTR**
	Ivory	**SNAP5262ILTR**	**SNAP5362ILTR**
	Light Almond	**SNAP5262LALTR**	**SNAP5362LALTR**
	Red	**SNAP5262RLTR**	**SNAP5362RLTR**
	White	**SNAP5262WLTR**	**SNAP5362WLTR**
Isolated ground[Δ], Specification grade, TR with Power Indicating LED.	Orange	**SNAP5262IGLTR**	**SNAP5362IGLTR**

Note: [Δ]See section M additional information on isolated ground devices.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See pages A-46 and A-47 for accessories.
See page A-54 for technical information.
See section N for wallplates.
Consult factory for available Split-Circuit capable SNAPConnect® devices.



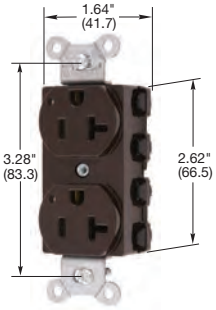
SNAP5362IA

TR



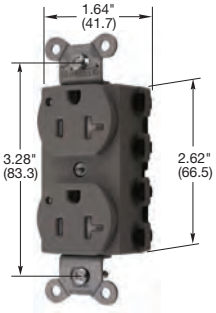
SNAP5362LATR

PWR



SNAP5362L

PWR
TR

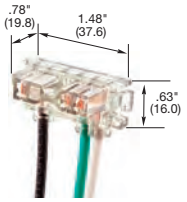


SNAP5362GYLTR

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

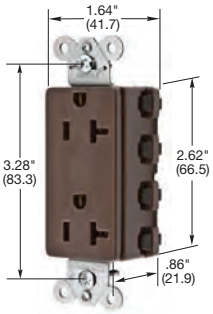
Note: For Assembled in USA products, must order connector with NA suffix.
See page A-54 for technical information.



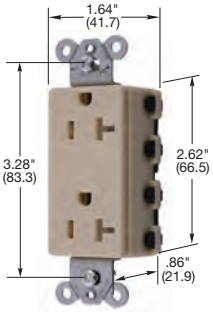
SNAP1RA

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

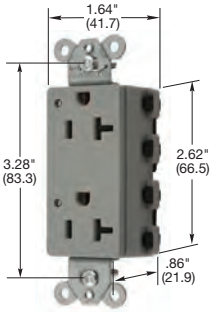
Dimensions in Inches (mm)



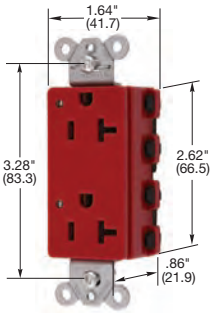
SNAP2162A



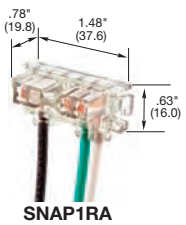
SNAP2162ITR



SNAP2162GYL



SNAP2162RLTR



SNAP1RA

Dimensions in Inches (mm)

Extra Heavy Duty SNAP*Connect*® Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Style Line® Decorator

Description	Color	Catalog Number	
Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA*.	Black	**SNAP2152BKA***	**SNAP2162BKA***
	Brown	**SNAP2152A***	**SNAP2162A***
	Gray	**SNAP2152GYA***	**SNAP2162GYA***
	Ivory	**SNAP2152IA***	**SNAP2162IA***
	Light Almond	**SNAP2152LAA***	**SNAP2162LAA***
** For Assembled in USA receptacles, add suffix NA. Ex: SNAP2152BKANA.*	Red	**SNAP2152RA***	**SNAP2162RA***
	White	**SNAP2152WA***	**SNAP2162WA***
TR Specification grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKTR**	**SNAP2162BKTR**
	Blue	**SNAP2152BLTR**	**SNAP2162BLTR**
	Brown	**SNAP2152TR**	**SNAP2162TR**
	Gray	**SNAP2152GYTR**	**SNAP2162GYTR**
	Ivory	**SNAP2152ITR**	**SNAP2162ITR**
	Light Almond	**SNAP2152LATR**	**SNAP2162LATR**
	Red	**SNAP2152RTR**	**SNAP2162RTR**
	White	**SNAP2152WTR**	**SNAP2162WTR**
Isolated ground[Δ], Specification grade, Tamper-Resistant.	Orange	**SNAP2152IGTR**	**SNAP2162IGTR**
PWR Specification grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKL**	**SNAP2162BKL**
	Blue	**SNAP2152BLL**	**SNAP2162BLL**
	Brown	**SNAP2152L**	**SNAP2162L**
	Gray	**SNAP2152GYL**	**SNAP2162GYL**
	Ivory	**SNAP2152IL**	**SNAP2162IL**
	Light Almond	**SNAP2152LAL**	**SNAP2162LAL**
	Red	**SNAP2152RL**	**SNAP2162RL**
	White	**SNAP2152WL**	**SNAP2162WL**
Isolated ground[Δ], Specification grade, with Power Indicating LED.	Orange	**SNAP2152IGL**	**SNAP2162IGL**
PWR TR Specification grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKLTR**	**SNAP2162BKLTR**
	Blue	**SNAP2152BLLTR**	**SNAP2162BLLTR**
	Brown	**SNAP2152LTR**	**SNAP2162LTR**
	Gray	**SNAP2152GYLTR**	**SNAP2162GYLTR**
	Ivory	**SNAP2152ILTR**	**SNAP2162ILTR**
	Light Almond	**SNAP2152LALTR**	**SNAP2162LALTR**
	Red	**SNAP2152RLTR**	**SNAP2162RLTR**
	White	**SNAP2152WLTR**	**SNAP2162WLTR**
Isolated ground[Δ], Specification grade, TR with Power Indicating LED.	Orange	**SNAP2152IGLTR**	**SNAP2162IGLTR**

Note: [Δ]See section M additional information on isolated ground devices.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See pages A-46 and A-47 for accessories.
See page A-54 for technical information.
See section N for wallplates.
Consult factory for available Split-Circuit capable SNAPConnect® devices.

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

Note: For Assembled in USA products, must order connector with NA suffix.
See page A-54 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Hubbell-PRO Heavy Duty Specification Grade Receptacles

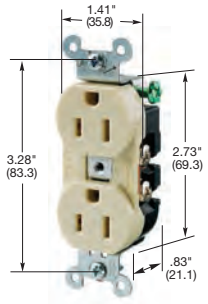
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

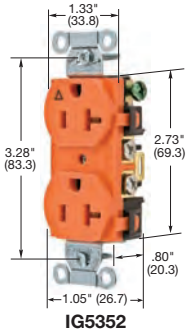
Duplex

Description	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Almond	**5252AAL**	**5352AAL**
	Black	**5252ABLK**	**5352ABLK**
	Brown	**5252AB**	**5352AB**
	Gray	**5252AG**	**5352AG**
	Ivory	**5252AI**	**5352AI**
	Light Almond	**5252ALA**	**5352ALA**
	Office White	**5252AOW**	**5352AOW**
	Red	**5252AR**	**5352AR**
	White	**5252AW**	**5352AW**
Isolated ground[Δ], smooth face, duplex, back and side wired.	Almond	**IG5252AL**	**IG5352AL**
	Gray	**IG5252GY**	**IG5352GY**
	Ivory	**IG5252I**	**IG5352I**
	Light Almond	**IG5252LA**	**IG5352LA**
	Orange	**IG5252**	**IG5352**
	White	**IG5252W**	**IG5352W**
Isolated ground[Δ], Tamper-Resistant, smooth face, duplex, back and side wired.	Ivory	**IG5252ITR**	**IG5352ITR**
	Orange	**IG5252TR**	**IG5352TR**
	White	**IG5252WTR**	**IG5352WTR**
Finder groove nylon face, duplex, back and side wired.	Almond	**5262AL**	**5362AL**
	Black	**5262BLK**	**5362BLK**
	Blue	**–**	**5362BL**
	Brown	**5262B**	**5362B**
	Gray	**5262G**	**5362G**
	Ivory	**5262I**	**5362I**
	Light Almond	**5262LA**	**5362LA**
	Office White	**5262OW**	**5362OW**
	Red	**5262R**	**5362R**
	White	**5262W**	**5362W**
Weather Resistant, finder groove nylon face, duplex, back and side wired.	Black	**5262BKWR**	**5362BKWR**
	Brown	**5262WR**	**5362WR**
	Gray	**5262GYWR**	**5362GYWR**
	Ivory	**5262IWR**	**5362IWR**
	White	**5262WWR**	**5362WWR**
Isolated ground[Δ], finder groove face, duplex, back and side wired.	Black	**CR5252IGBK**	**CR5352IGBK**
	Blue	**–**	**CR5352IGBL**
	Gray	**CR5252IGGY**	**CR5352IGGY**
	Ivory	**CR5252IGI**	**CR5352IGI**
	Orange	**CR5252IG**	**CR5352IG**
	Office White	**CR5252IGOW**	**CR5352IGOW**
	White	**CR5252IGW**	**CR5352IGW**

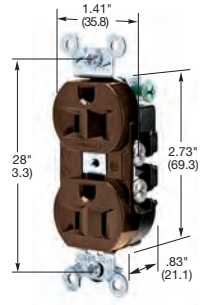
Note: [Δ]See section M for additional information on isolated ground devices.
See page A-46 for accessories.
See page A-57 for technical information.
See page Tech-10 for Tamper and Weather Resistant descriptions.
Horsepower ratings listed above are AC only.
See section N for wallplates.



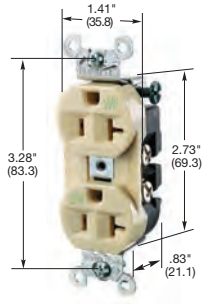
5252AI



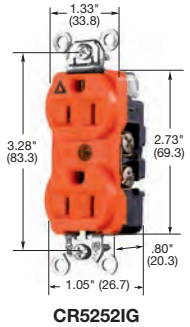
IG5352



5262B



5362IWR



CR5252IG

Dimensions in Inches (mm)

USB Charger Receptacle Tamper-Resistant Duplex

Hubbell's USB Charger Receptacle provides both USB and AC electrical power in a standard single gang electrical opening. Designed to provide more charging options for personal electronics.

Typical Applications
Ideal for use in renovation, new construction and to add capacity for USB charging. Especially suited for use in hotels, hospitals, schools, offices, homes and more.

Hotels

Healthcare

Schools

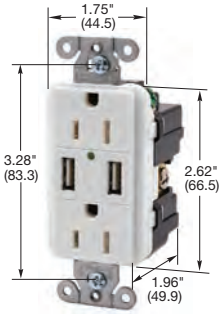
Offices

Residential

Capability to charge wide range of devices including:
- Tablets
- Smartphones
- MP3 players
- Apple® iPad®
- Apple® iPod®
- Apple® iPhone®

- Complies with battery charging specification USB BC1.2
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products
- Complies with Part 15 of the FCC rules
- cULus listed to UL498 and UL1310

USB15X2W



USB15X2W

Dimensions in Inches (mm)

USB Charger Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

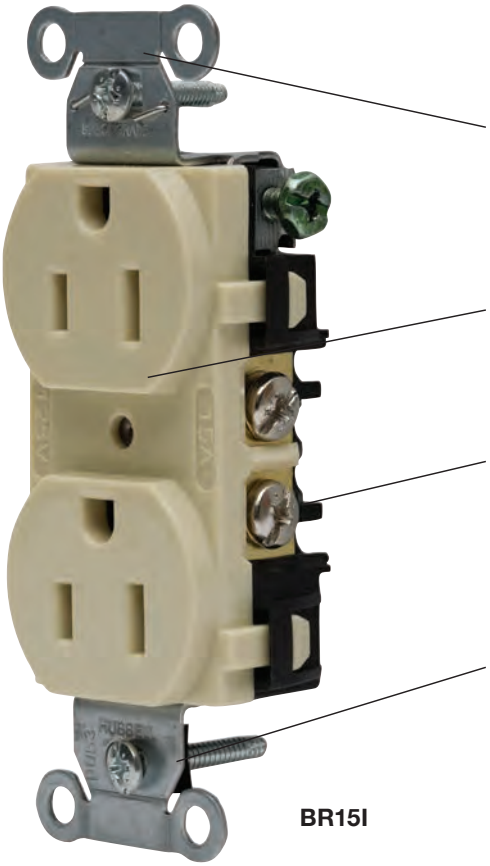
Description	Color	15A 125V AC	20A 125V AC
USB Charger Tamper-Resistant receptacle, Two USB Type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC decorator duplex.	Black	**USB15X2BK**	**USB20X2BK**
	Brown	**USB15X2**	**USB20X2**
	Gray	**USB15X2GY**	**USB20X2GY**
	Ivory	**USB15X2I**	**USB20X2I**
	Light Almond	**USB15X2LA**	**USB20X2LA**
	White	**USB15X2W**	**USB20X2W**

Note: See page Tech-10 for Tamper-Resistant descriptions.
See page A-8 for Hospital Grade version.
See page A-56 for technical information.

Apple, iPad, iPod and iPhone are registered trademarks of Apple, inc.

Commercial Specification Grade Receptacles

Features and Benefits



Installation ease
- Single tab breakoff ears
- Self-grounding staple

Durable construction
- Nylon face and base

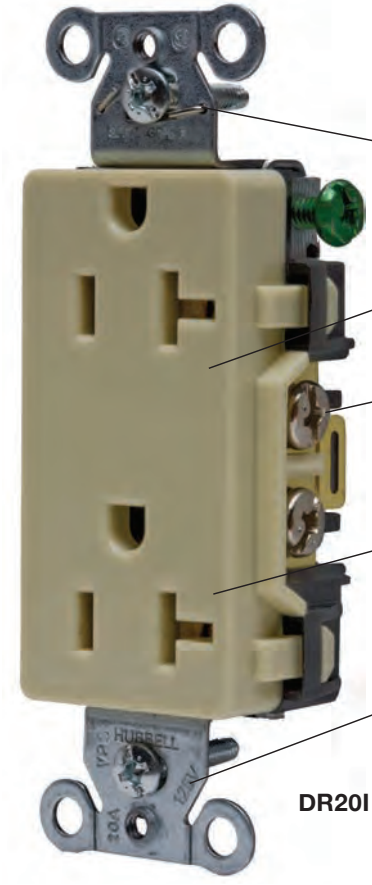
Installation ease
- Easy access split circuit tab
- Fork terminal capable
- Oversized terminal screws

Sturdy construction
- Wrap-around galvanized steel straps

BR15I

Tamper-Resistant

BR15TR



Installation ease
- Self-grounding staple

Durable construction
- Nylon face and base

Installation ease
- Easy access split circuit tab
- Fork terminal capable

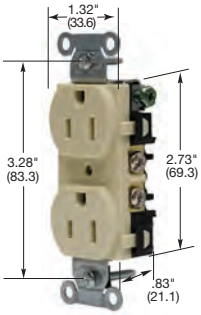
Modern architectural appearance
- Style Line® decorator face

Sturdy construction
- Wrap-around galvanized steel straps

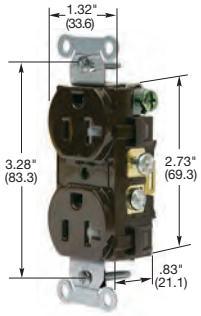
DR20I

Tamper-Resistant

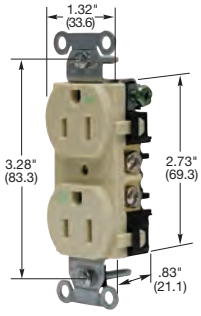
DR20GRYTR



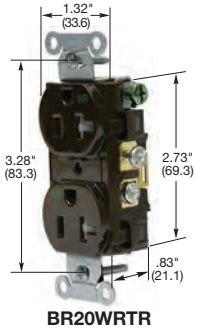
BR15I



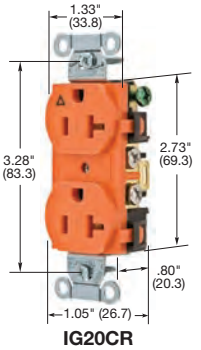
BR20TR



BR15IWR



BR20WRTR



IG20CR

Dimensions in Inches (mm)

Commercial Specification Grade Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

Description	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Almond	**BR15AL**	**BR20AL**
	Black	**BR15BLK**	**BR20BLK**
	Blue	**BR15BL**	**BR20BL**
	Brown	**BR15**	**BR20**
	Gray	**BR15GRY**	**BR20GRY**
	Ivory	**BR15I**	**BR20I**
	Light Almond	**BR15LA**	**BR20LA**
	Office White	**BR15OW**	**BR20OW**
	Red	**BR15R**	**BR20R**
	White	**BR15WHI**	**BR20WHI**
Tamper-Resistant*, smooth nylon face, duplex, back and side wired.	Almond	**BR15ALTR**	**BR20ALTR**
	Black	**BR15BLKTR**	**BR20BLKTR**
	Blue	**BR15BLTR**	**BR20BLTR**
	Brown	**BR15TR**	**BR20TR**
	Gray	**BR15GRYTR**	**BR20GRYTR**
	Ivory	**BR15ITR**	**BR20ITR**
	Light Almond	**BR15LATR**	**BR20LATR**
	Red	**BR15RTR**	**BR20RTR**
	White	**BR15WHITR**	**BR20WHITR**
Weather Resistant, smooth nylon face, duplex, back and side wired.	Black	**BR15BLKWR**	**BR20BLKWR**
	Brown	**BR15WR**	**BR20WR**
	Gray	**BR15GRYWR**	**BR20GRYWR**
	Ivory	**BR15IWR**	**BR20IWR**
	Light Almond	**BR15LAWR**	**BR20LAWR**
	White	**BR15WHIWR**	**BR20WHIWR**
Weather and Tamper-Resistant*, smooth nylon face, duplex, back and side wired.	Black	**BR15BLKWRTR**	**BR20BLKWRTR**
	Brown	**BR15WRTR**	**BR20WRTR**
	Gray	**BR15GRYWRTR**	**BR20GRYWRTR**
	Ivory	**BR15IWRTR**	**BR20IWRTR**
	Light Almond	**BR15LAWRTR**	**BR20LAWRTR**
	White	**BR15WHIWRTR**	**BR20WHIWRTR**
Isolated ground$^{\Delta}$, smooth nylon face, duplex, side wired only.	Almond	**IG15CRAL**	**IG20CRAL**
	Gray	**IG15CRGRY**	**IG20CRGRY**
	Ivory	**IG15CRI**	**IG20CRI**
	Light Almond	**IG15CRLA**	**IG20CRLA**
	Orange	**IG15CR**	**IG20CR**
	White	**IG15CRWHI**	**IG20CRWHI**
Isolated ground$^{\Delta}$, Style Line® decorator*, smooth nylon face, duplex, back and side wired.	Almond	**IG15DRAL**	**IG20DRAL**
	Gray	**IG15DRGRY**	**IG20DRGRY**
	Ivory	**IG15DRI**	**IG20DRI**
	Light Almond	**IG15DRLA**	**IG20DRLA**
	Orange	**IG15DR**	**IG20DR**
	White	**IG15DRWHI**	**IG20DRWHI**

Note: $^{\Delta}$See section M for additional information on isolated ground devices.
**Tamper-resistant and IG decorator devices are not Fed. Spec. Listed.*
See page A-46 for accessories.
See page A-59 for technical information.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section N for wallplates.

Commercial Specification Grade Receptacles

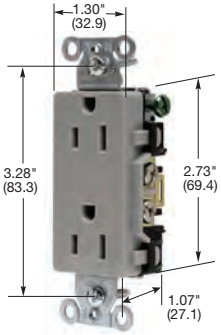
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

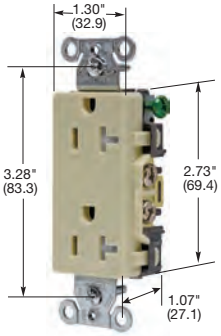
Style Line® Decorator

Description	Color	Catalog Number	
Smooth nylon face, Style Line® decorator, back and side wired.	Almond	**DR15AL**	**DR20AL**
	Black	**DR15BLK**	**DR20BLK**
	Brown	**DR15**	**DR20**
	Gray	**DR15GRY**	**DR20GRY**
	Ivory	**DR15I**	**DR20I**
	Light Almond	**DR15LA**	**DR20LA**
	Red	**DR15R**	**DR20R**
	White	**DR15WHI**	**DR20WHI**
Tamper-Resistant*, Style Line® decorator, smooth nylon face, back and side wired.	Almond	**DR15ALTR**	**DR20ALTR**
	Black	**DR15BLKTR**	**DR20BLKTR**
	Brown	**DR15TR**	**DR20TR**
	Gray	**DR15GRYTR**	**DR20GRYTR**
	Ivory	**DR15ITR**	**DR20ITR**
	Light Almond	**DR15LATR**	**DR20LATR**
	White	**DR15WHITR**	**DR20WHITR**
Weather and Tamper-Resistant*, Style Line® decorator, smooth nylon face, back and side wired.	Black	**DR15BLKWRTR**	**DR20BLKWRTR**
	Brown	**DR15WRTR**	**DR20WRTR**
	Gray	**DR15GRYWRTR**	**DR20GRYWRTR**
	Ivory	**DR15IWRTR**	**DR20IWRTR**
	Light Almond	**DR15LAWRTR**	**DR20LAWRTR**
	White	**DR15WHIWRTR**	**DR20WHIWRTR**
Pre-wired receptacles, Style Line® decorator, smooth nylon face, back and side wired, self-grounding, 8" solid wire leads.	Black	**DR15BLKP1**	**DR20BLKP1**
	Brown	**DR15P1**	**DR20P1**
	Gray	**DR15GRYP1**	**DR20GRYP1**
	Ivory	**DR15IP1**	**DR20IP1**
	Light Almond	**DR15LAP1**	**DR20LAP1**
	White	**DR15WHIP1**	**DR20WHIP1**
Pre-wired receptacles, Style Line® decorator, smooth nylon face, back and side wired, self-grounding, 8" stranded wire leads.	Black	**DR15BLKP2**	**DR20BLKP2**
	Brown	**DR15P2**	**DR20P2**
	Gray	**DR15GRYP2**	**DR20GRYP2**
	Ivory	**DR15IP2**	**DR20IP2**
	Light Almond	**DR15LAP2**	**DR20LAP2**
	White	**DR15WHIP2**	**DR20WHIP2**
Pre-wired receptacles, Tamper-Resistant*, Style Line® decorator, smooth nylon face, back and side wired, self-grounding, 8" solid wire leads.	Black	**DR15BLKTRP1**	**DR20BLKTRP1**
	Brown	**DR15TRP1**	**DR20TRP1**
	Gray	**DR15GRYTRP1**	**DR20GRYTRP1**
	Ivory	**DR15ITRP1**	**DR20ITRP1**
	Light Almond	**DR15LATRP1**	**DR20LATRP1**
	White	**DR15WHITRP1**	**DR20WHITRP1**
Pre-wired receptacles, Tamper-Resistant*, Style Line® decorator, smooth nylon face, back and side wired, self-grounding, 8" stranded wire leads.	Black	**DR15BLKTRP2**	**DR20BLKTRP2**
	Brown	**DR15TRP2**	**DR20TRP2**
	Gray	**DR15GRYTRP2**	**DR20GRYTRP2**
	Ivory	**DR15ITRP2**	**DR20ITRP2**
	Light Almond	**DR15LATRP2**	**DR20LATRP2**
	White	**DR15WHITRP2**	**DR20WHITRP2**

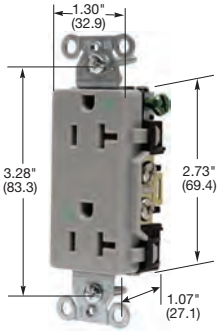
*Note: *Tamper-resistant devices are not Fed. Spec. Listed.*
See page A-46 for accessories.
See pages A-58 and A-59 for technical information.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section N for wallplates.



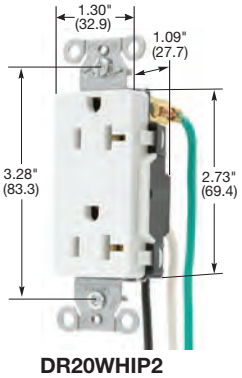
DR15GRY



DR20ITR



DR20GRYWRTR



DR20WHIP2

Dimensions in Inches (mm)

Commercial Specification Grade Receptacles

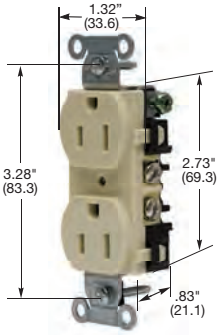
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

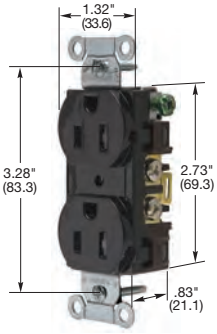
Duplex

Description	Color	Catalog Number	
Smooth nylon face, duplex, side wired only.	Almond	**CR15AL**	**CR20AL**
	Black	**CR15BLK**	**CR20BLK**
	Brown	**CR15**	**CR20**
	Gray	**CR15GRY**	**CR20GRY**
	Ivory	**CR15I**	**CR20I**
	Light Almond	**CR15LA**	**CR20LA**
	Office White	**CR15OW**	**CR20OW**
	White	**CR15WHI**	**CR20WHI**
TR Tamper-Resistant*, smooth nylon face, duplex, side wired only.	Almond	**CR15ALTR**	**CR20ALTR**
	Black	**CR15BLKTR**	**CR20BLKTR**
	Brown	**CR15TR**	**CR20TR**
	Gray	**CR15GRYTR**	**CR20GRYTR**
	Ivory	**CR15ITR**	**CR20ITR**
	Light Almond	**CR15LATR**	**CR20LATR**
	White	**CR15WHITR**	**CR20WHITR**
Finder groove, nylon face, duplex, side wired only.	Almond	**CRF15AL**	**CRF20AL**
	Black	**CRF15BLK**	**CRF20BLK**
	Brown	**CRF15**	**CRF20**
	Gray	**CRF15GRY**	**CRF20GRY**
	Ivory	**CRF15I**	**CRF20I**
	Light Almond	**CRF15LA**	**CRF20LA**
	Office White	**CRF15OW**	**CRF20OW**
	White	**CRF15WHI**	**CRF20WHI**
Pre-wired receptacles, smooth nylon face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black	**CR15BLKP1**	**CR20BLKP1**
	Brown	**CR15P1**	**CR20P1**
	Gray	**CR15GRYP1**	**CR20GRYP1**
	Ivory	**CR15IP1**	**CR20IP1**
	Light Almond	**CR15LAP1**	**CR20LAP1**
	White	**CR15WHIP1**	**CR20WHIP1**
Pre-wired receptacles, smooth nylon face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black	**CR15BLKP2**	**CR20BLKP2**
	Brown	**CR15P2**	**CR20P2**
	Gray	**CR15GRYP2**	**CR20GRYP2**
	Ivory	**CR15IP2**	**CR20IP2**
	Light Almond	**CR15LAP2**	**CR20LAP2**
	White	**CR15WHIP2**	**CR20WHIP2**
TR Pre-wired receptacles, Tamper-Resistant*, smooth nylon face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black	**CR15BLKTRP1**	**CR20BLKTRP1**
	Brown	**CR15TRP1**	**CR20TRP1**
	Gray	**CR15GRYTRP1**	**CR20GRYTRP1**
	Ivory	**CR15ITRP1**	**CR20ITRP1**
	Light Almond	**CR15LATRP1**	**CR20LATRP1**
	White	**CR15WHITRP1**	**CR20WHITRP1**
TR Pre-wired receptacles, Tamper-Resistant*, smooth nylon face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black	**CR15BLKTRP2**	**CR20BLKTRP2**
	Brown	**CR15TRP2**	**CR20TRP2**
	Gray	**CR15GRYTRP2**	**CR20GRYTRP2**
	Ivory	**CR15ITRP2**	**CR20ITRP2**
	Light Almond	**CR15LATRP2**	**CR20LATRP2**
	White	**CR15WHITRP2**	**CR20WHITRP2**

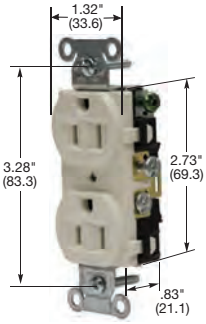
*Note: *Tamper-resistant devices are not Fed. Spec. Listed.*
See page A-46 for accessories.
See pages A-58 and A-59 for technical information.
See page Tech-10 for Tamper-Resistant descriptions.
See section N for wallplates.



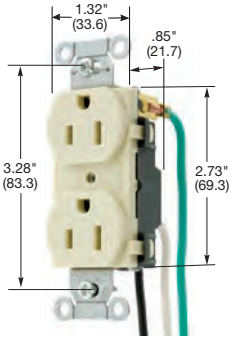
CR15I



CR15TR



CRF15LA



CR15IP1

Dimensions in Inches (mm)

Four-in-One Receptacle

4-PLEX is a perfect solution for outlet scarce locations. This receptacle can be mounted on a single or 2-gang flush outlet box or on a non-metallic portable box for temporary power applications. If mounted on a 4-inch square box, this product complies with NEC® Article 406.4 (B). Available in industrial grade, hospital grade, isolated ground and surge protected versions. Accessories include mounting plates and portable outlet boxes.

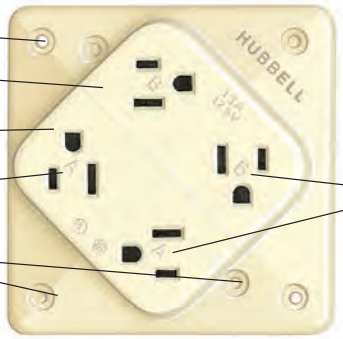
Mounts directly to 4-inch square box

Unique face design accepts up to four straight, angle or molded plugs

Heavy duty, impact resistant housing

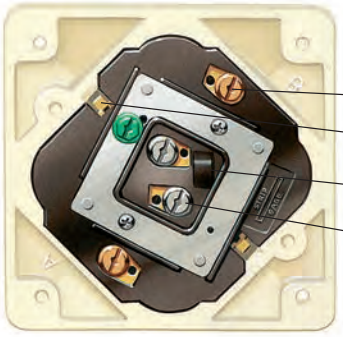
Heavy duty, triple wipe, brass power and ground contacts

Removable knockouts for mounting to octagon concrete ring or box



"A" and "B" circuit identification molded into face

HBL415I



Snub hole for fast, easy terminations

Easily accessible break-off tabs for split circuit wiring

Three conductors energize all four outlets

Large #8 combination Robertson head terminal screws for ease of wiring

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

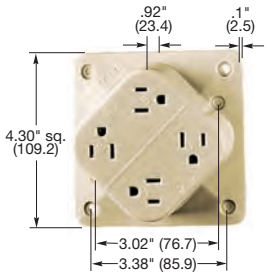
20A 125V
NEMA 5-20R
UL CSA
1 HP

4-PLEX® Receptacles

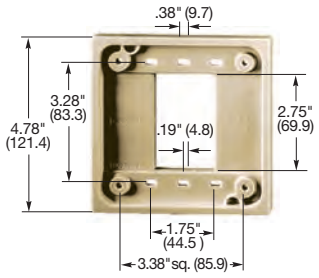
Over Size Robertson/Slotted Head Terminal Screws

Description	Color	Catalog Number	
Specification grade.	Black	**HBL415BK**	**HBL420BK**
	Brown	**HBL415**	**HBL420**
	Gray	**HBL415GY**	**HBL420GY**
	Ivory	**HBL415I**	**HBL420I**
	White	**HBL415W**	**HBL420W**
Isolated ground[Δ].	Orange	**IG415**	**IG420**
Surge suppression.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**

Note: [Δ]See section M for additional information on isolated ground devices.
Horsepower ratings are AC only.
See page A-60 for technical information.
4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers. Apply if needed. Mounts to 4-inch square box.



HBL415I

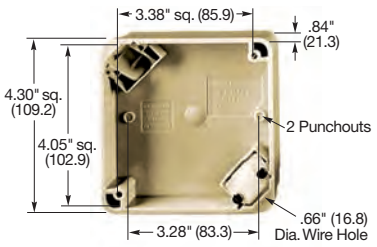


HBL4API

Accessories

Description	Color	Catalog Number
4-PLEX Adapter Plates for 1- and 2-gang.	Blue	**HBL4APBL**
	Brown	**HBL4AP**
	Gray	**HBL4APGY**
	Ivory	**HBL4API**
	Orange	**HBL4APO**
	Red	**HBL4APR**
	White	**HBL4APW**
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black	**HBL4PBBK**
	Brown	**HBL4PB**
	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.



HBL4PBI

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Pre-Fab Systems Allow You To Save Time and Money, Completing the Job Quicker and Exceed Schedule

- Provide Reduced Construction Schedules
- Ensure Consistent Quality
- Compliance with Code Requirements
- Speeds Installation

A Variety of Pre-Fab Solutions are Available:

1. Complete Turn key Pre-Fab System
2. Pre-Assembled Boxes and Brackets
3. Specialized Mounting Brackets and Hangers

Complete Pre-Fab System Steps:

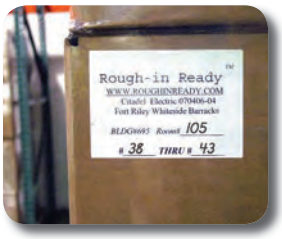
1. Mail or E-mail Drawings
2. Complete Take Offs and Quotation Prepared
3. Proposal with Comparison to Traditional Methods is Submitted
4. Detail Documentation and Technical Support Provided

Note: For more information please contact Technical Services (475) 882-4820.

When Product Arrives

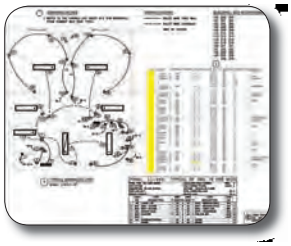
✓ **Clearly Marked Skids**
– By floor or area to customer specifications.

✓ **Boxes Labeled**
– With job name, building number, room number.



✓ **Numbered Assemblies**
– Labeled to match installation drawings.

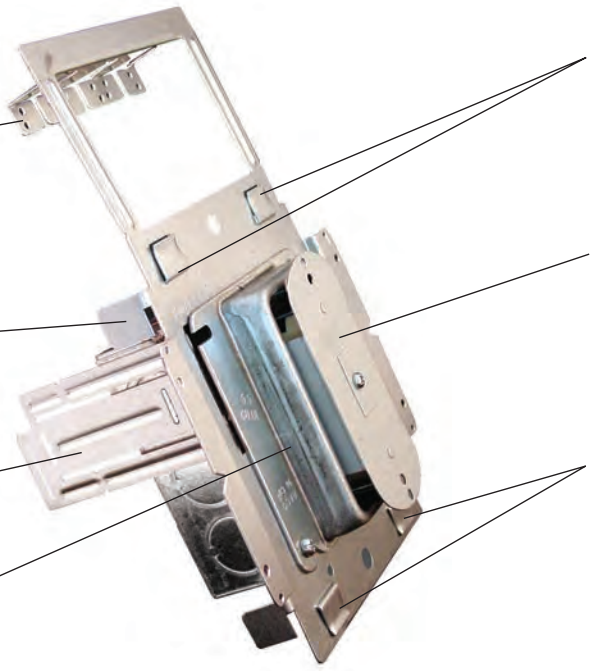
✓ **Installation Drawings**
– Detailed layout with specified locations.



✓ **Field Installation Support**

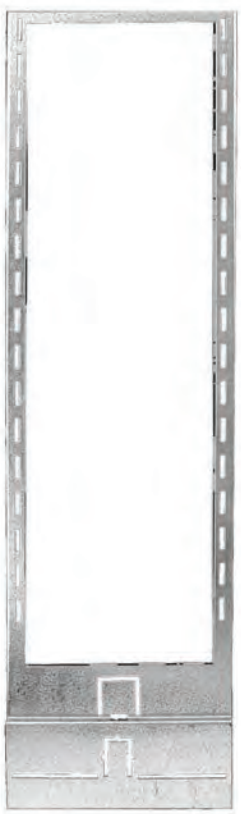
✓ **Qualified Savings**
– Demonstrate high light savings
– Cost comparison to traditional wiring

Box Assembly - With Universal Mounting Bracket Features



Pre-assembled Box with Device Installed

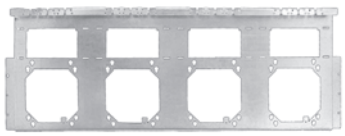
Mounting Frames



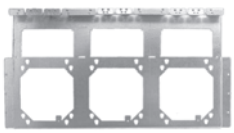
18" Kickstand Bracket

Universal Mounting Bracket

Pre-assembled with Box and Plaster Ring



4 Position Bracket



3 Position Bracket

Support Brackets and Hangers

10 Position Cable Holder

9 Position Cable Holder

Cross-brace (for use with Universal Mounting Bracket

Deck Hangers

Deck Hanger

Individually molded face for each blade configuration keeps debris out of plug interior

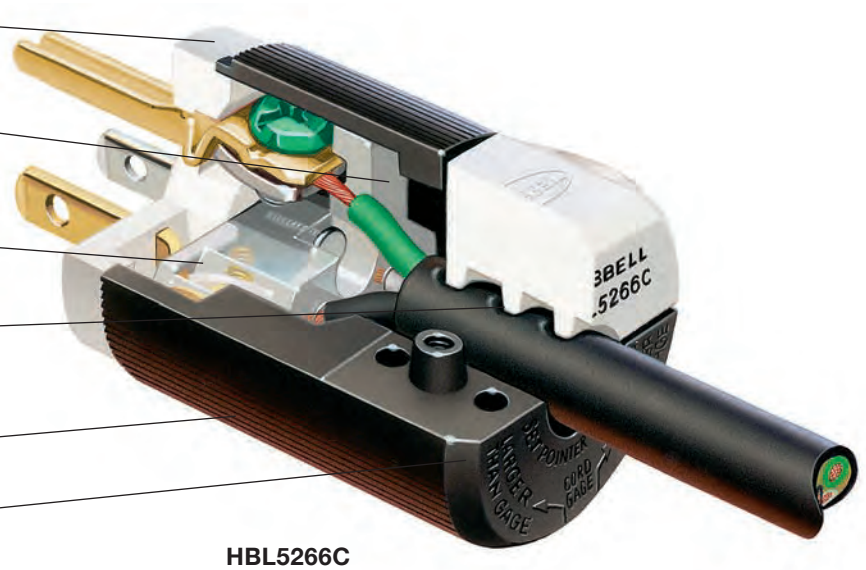
Roomy wiring chamber provides ample space for wiring

Individual wiring terminals completely enclosed in their own separate chambers

Powerful, offsetting cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminals

Ribbed nylon housing is impact and chemical resistant

Beveled housing prevents snagging when dragged across uneven surfaces



HBL5266C

Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .23 to .72 inch (5.8 to 18.3).

Multiple drive screws provide screwdriver versatility. Pocketed recess for cord grip screws deter slippage of the screwdriver..

Catalog number is visible on the device while in use for easy identification.

VARI-SIZE® pointer set to “smaller than gauge" position. Cord diameter range is .23 to .36 inch (5.8 to 9.0). Accepts slotted and Phillips head drivers.

Powerful offsetting cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations.

Transparent angled wiring entrance holes permit “straight in" conductor insertion

Valise® Plug

Eight specially designed load bearing locking lugs insure a positive fit as the blade holder and sides are closed

Unique patented clamp type terminals provide a superior electrical connection by “bundling” the conductor strands when clamps are tightened

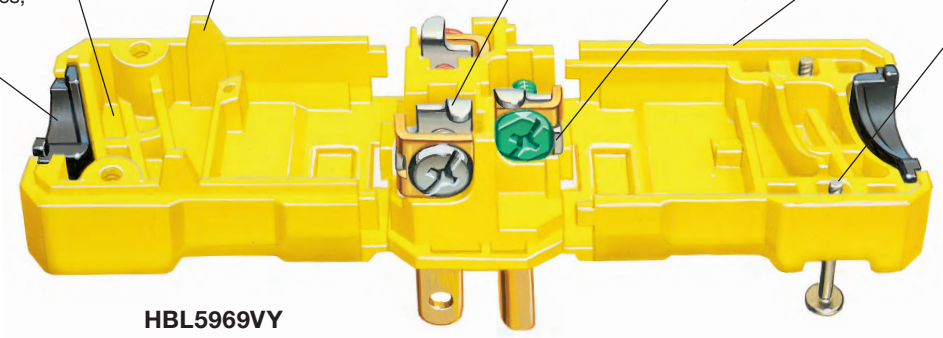
Powerful cord grips prevent conductor slippage and strain on wiring terminals

Nylon webs are provided to make wiring quick and easyby joining the three sections together during assembly

Removable cord inserts. Device accommodates a wide range of cord sizes, .220" -.660" (5.6-16.8)

Totally insulated impact and crush resistant nylon body

Two captive multiple drive assembly screws

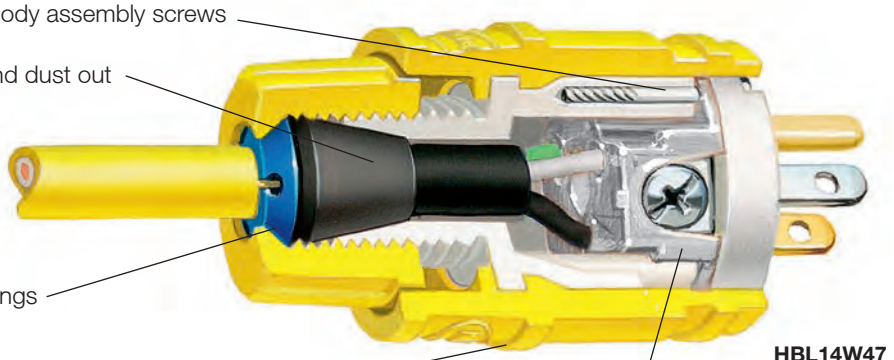


HBL5969VY

Watertight Plug

Multiple drive “U-Drive” fast lead body assembly screws

Neoprene bushing keeps water and dust out



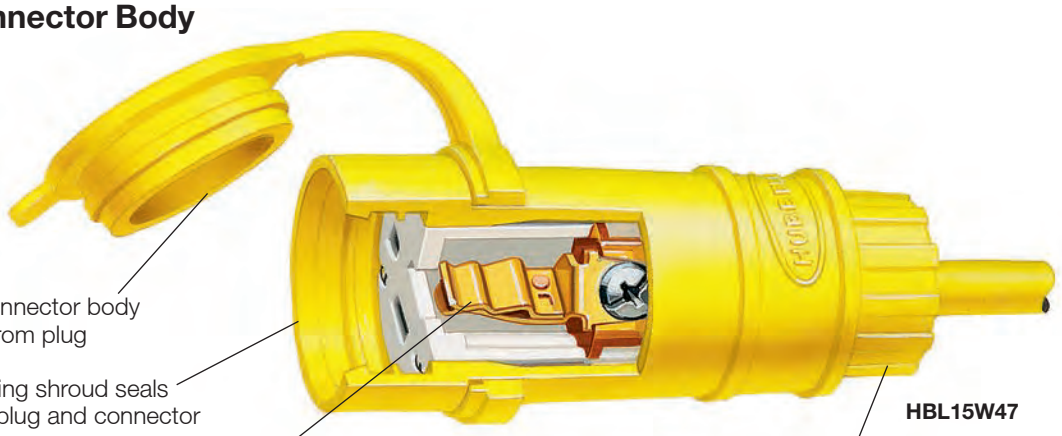
HBL14W47

Color coded Kellems GOTCHA® rings provide increased cord retention

Thermoplastic elastomer housing resists weathering caused by ultraviolet rays and ozone better than rubber; Also oil and chemical resistant

Three separate transparent wiring chambers allow for visual inspection

Watertight Connector Body



Closure plug seals connector body when disconnected from plug

Integral weatherproofing shroud seals connection between plug and connector

Pretensioned “bypass” design female contacts for abuse resistance and reliability

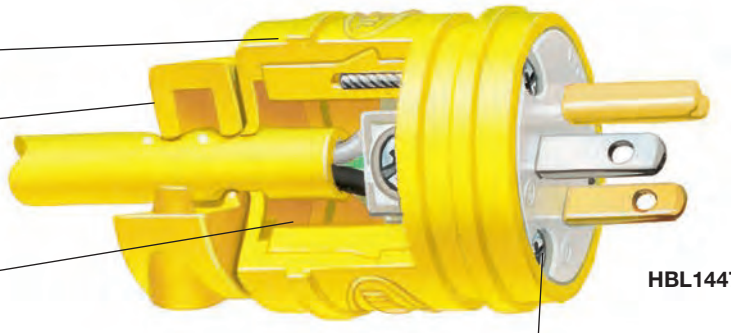
HBL15W47

Nylon compression nut keeps water and dust from getting into the body around the cord

Dust Tight Plug

Thermoplastic elastomer housing

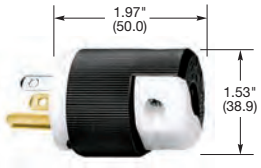
Powerful nylon cord grip prevents strain on terminals



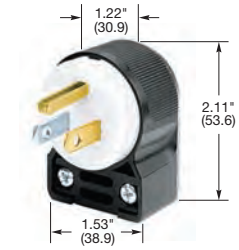
Dust and moisture seal keeps out liquids, metal filings and other foreign materials

HBL1447

Multiple drive “U-Drive” fast lead body assembly screws

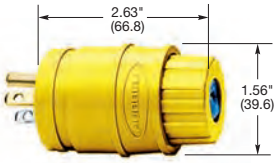


HBL5266C



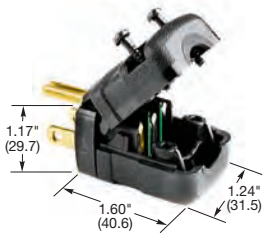
HBL5266CA

HBL1447



HBL14W47

HBL5965VY



HBL5966VBLK

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Plugs

Insulgrip®

IP20
SUITABILITY

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266C**	**HBL5366C**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266CBL**	–
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5266EBK**	**HBL5366EBK**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM66C**	**HBL53CM66C**
8-position angle plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5266CA**	**HBL5366CA**
8-position angle plug, transparent enclosure.	.325"-.655" (8.3-16.6)	**HBL5266CAT**	–
Anchor lock, black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5280C***	–
Anchor lock, corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM80C***	–
Finger grip, black neoprene, combination screws. CSA only.	.312"-.468" (7.9-11.9)	**HBL5921**	–
Fusible, black vinyl housing, slotted screws. CSA only.	.296"-.625" (7.5-15.9)	**HBL5299**	–

Elastogrip®

IP20 and IP55
SUITABILITY

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	**HBL1447**	**HBL1433**
Yellow elastomer, watertight.	.300"-.655" (7.6-16.6)	**HBL14W47****	**HBL14W33****

Valise®

IP20
SUITABILITY

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5965VY**	**HBL5364VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5965VBLK**	**HBL5364VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5965VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515PVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5966VBLK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5966VY**	–

*Note: *UL Component Listed only. Not for general use applications.*
***Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies.*
Horsepower ratings listed are AC only.
See page A-47 for accessories.

Dimensions in Inches (mm)

Connector Bodies

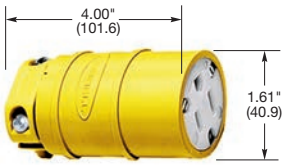
IP20
SUITABILITY

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269C**	**HBL5369C**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269CBL**	–
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5269EBK**	**HBL5369EBK**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM69C**	**HBL53CM69C**

Note: See page A-47 for accessories.

HBL5269C

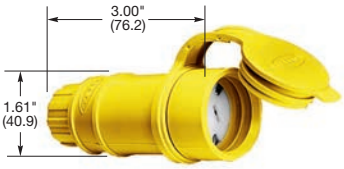


HBL1547

IP20 and IP55
SUITABILITY

Elastogrip®

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	**HBL1547**	**HBL1533**
Yellow elastomer, watertight.	.300"-.655" (7.6-16.6)	**HBL15W47***	**HBL15W33***



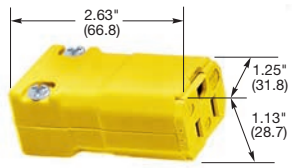
HBL15W47

IP20
SUITABILITY

Valise®

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5969VY**	**HBL5369VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5969VBLK**	**HBL5369VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5969VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515CVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5963VBK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5963VY**	–

*Note: *Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with mating Elastogrip watertight plug.*
Connector bodies are not HP rated.
See page A-47 for accessories.



HBL5969VY

HBL5963VY

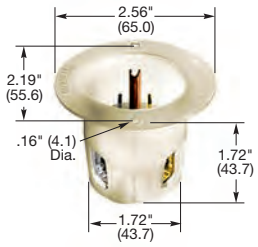
For quick visual identification of circuits or configurations.

Colored Cord Clamps*

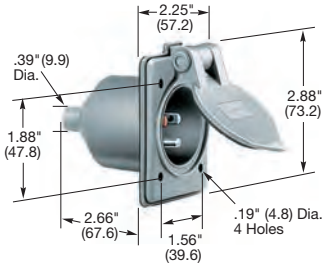
Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

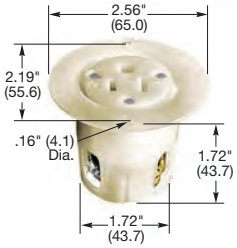
Dimensions in Inches (mm)



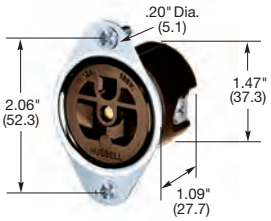
HBL5278C



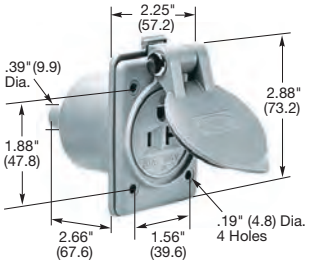
HBL61CM64



HBL5279C



HBL5256



HBL61CM65

Dimensions in Inches (mm)

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	**HBL5278C**	**HBL5378C**
Weatherproof, gray, with lift cover and multiple drive screws.	**HBL61CM64**	**–**
Weatherproof, black, with lift cover and boot, multiple drive screws.	**HBL61CM64BK**	**–**
Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws.	**HBL5240***	**–**

*Note: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81.*
See pages A-46 and A-47 for accessories.

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL5279C**	**HBL5379C**
Stainless steel flange, phenolic body, covered terminals, multiple drive screws.	**HBL5279**	**–**
Stainless steel flange, brown phenolic (mounting screws packed separately).	**HBL5256**	**–**
Weatherproof, gray nylon, with lift cover and boot, multiple drive screws.	**–**	**HBL61CM65****

*Note: **Not CSA Certified.*
See pages A-46 and A-47 for accessories.

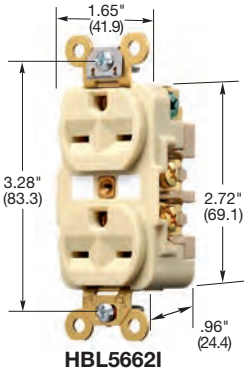
15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Receptacles

HBL® Extra Heavy Duty, Specification Grade, Duplex

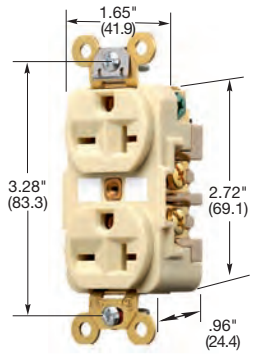
Description	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws.	Black	–	**HBL5462BK**
	Brown	**HBL5662**	**HBL5462**
	Gray	–	**HBL5462GY**
	Ivory	**HBL5662I**	**HBL5462I**
	Red	–	**HBL5462R**
Isolated ground[A].	Orange	**IG5662**	**IG5462**



HBL5662I

HBL® Extra Heavy Duty, Specification Grade, Single

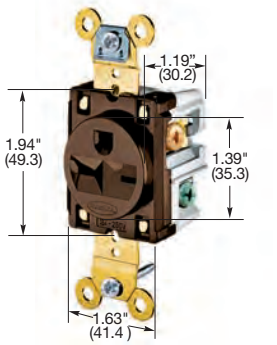
Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Brown	**HBL5661**	**HBL5461**
	Gray	–	**HBL5461GY**
	Ivory	**HBL5661I**	**HBL5461I**
	Red	–	**HBL5461R**
	White	–	**HBL5461W**
Isolated ground[A].	Orange	**IG5661**	**IG5461**
Panel mount 1.94 in. (49.3) centers.	Brown	**HBL5684**	–
Ring terminal connection.	Brown	**HBL5661RT**	–



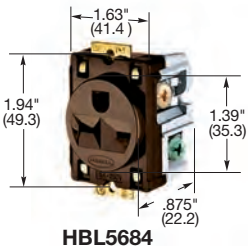
HBL5462I

HBL® Extra Heavy Duty, Specification Grade Duplex and Single Panel Mount

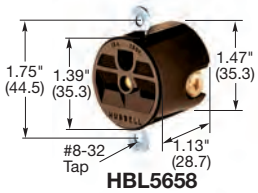
Description	Color	Catalog Number	
Flush, nylon duplex face, side wired only.	Brown	**HBL5652**	–
	Ivory	**HBL5652I**	–
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5658**	–



HBL5661



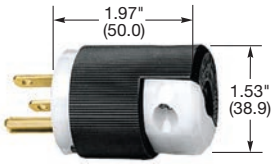
HBL5684



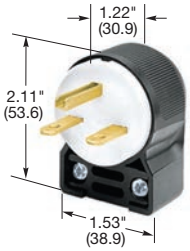
HBL5658

Note: [A]See section M for additional information on isolated ground devices.
HP ratings are AC only.
See page A-46 for accessories.

Dimensions in Inches (mm)



HBL5666C

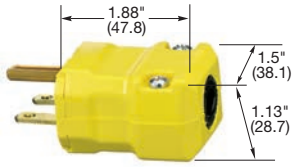


HBL5666CA

Plugs

Description	Cord Diameter	15A 250V NEMA 6-15P UL CSA 1.5 HP	20A 250V NEMA 6-20P UL CSA 2 HP
Insulgrip® Plug, black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5666C**	**HBL5466C**
Insulgrip® Plug, corrosion resistant, yellow nylon.	.230"-.720" (5.8-18.3)	**HBL56CM66C**	**HBL54CM66C**
8-Position Insulgrip® Angle Plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5666CA**	**HBL5466CA**
Valise® Plug, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5666VY**	**HBL5464VY**

Note: See page A-47 for accessories.

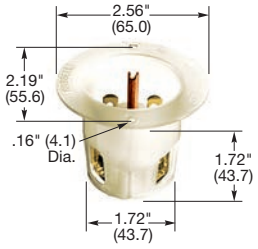


HBL5666VY

Insulgrip® Flanged Inlets

Description	15A 250V NEMA 6-15P UL CSA	20A 250V NEMA 6-20P UL CSA
Nylon casing, back wired.	**HBL5678C**	**HBL5478C**

Note: Flanged inlets are not HP rated.
See page A-47 for accessories.



HBL5678C

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)

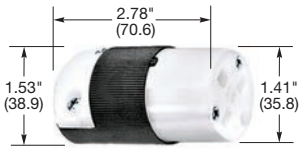
Connector Bodies

15A 250V
NEMA 6-15R
UL CSA

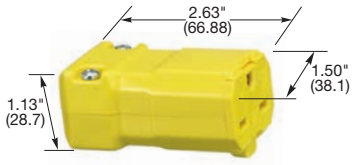
20A 250V
NEMA 6-20R
UL Listed

Description	Cord Diameter	Catalog Number	
Insulgrip® Connector Body, black and white nylon, multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL5669C**	**HBL5469C**
Valise® Connector Body, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5669VY**	**HBL5469VY**

Note: See page A-47 for accessories.



HBL5669C



HBL5669VY

Flanged Receptacles

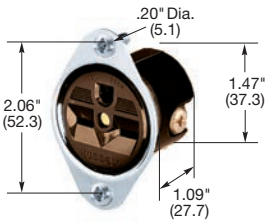
15A 250V
NEMA 6-15R
UL CSA

20A 250V
NEMA 6-20R
UL Listed

Description	Catalog Number	
Nylon casing, multiple drive screws.	**HBL5679C**	**HBL5479C**
Stainless steel flange, brown phenolic housing (mounting screws packaged separately).	**HBL5656**	–

Note: Connector bodies are not HP rated.
See pages A-46 and A-47 for accessories.

HBL5679C



HBL5656

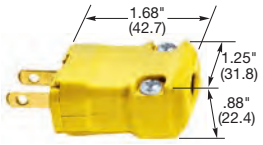
For quick visual identification of circuits or configurations.

Colored Cord Clamps*

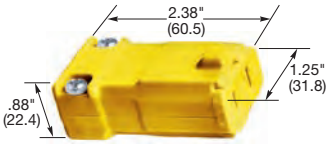
Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)



HBL5865VY



HBL5869VY

15A, 125V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY

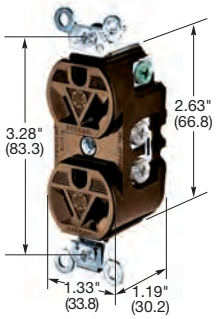
15A 125V
NEMA 1-15R
UL CSA
0.5 HP

15A 125V
NEMA 1-15P
UL CSA
0.5 HP

Description	Cord Diameter	Catalog Number	
Yellow nylon, non-polarized.	.218"-.385" (5.5-9.8)	–	**HBL5865VY**
Yellow nylon, polarized.	.218"-.385" (5.5-9.8)	–	**HBL5866VY**
Black nylon, polarized.	Type 17/2 "SVT" cord	–	**HBL5867VBK**

Valise® Connector Bodies

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.218"-.385" (5.5-9.8)	**HBL5869VY**	–



HBL5302

15A, 277V AC, 2 Pole, 3 Wire Grounding, Plugs

15A 277V AC
NEMA 7-15R
UL CSA
2 HP

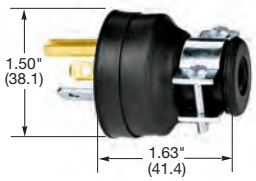
15A 277V AC
NEMA 7-15P
2 HP

Description	Cord Diameter	Catalog Number	
Finger grip, black elastomer.	.312"-.468" (7.9-11.9)	–	**HBL5929***

Receptacles and Connector Bodies

Description	Cord Diameter	Catalog Number	
Receptacle, flush duplex, brown, back and side wired.	–	**HBL5302**	–
Connector Body, phenolic and steel body.	.296"-.625" (7.5-15.9)	**HBL5324**	–

*Note: *Not UL Listed.*
Horsepower ratings are AC only.
See pages A-46 and A-47 for accessories.



HBL5929

20A, 250V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY

20A 250V
NEMA 2-20R
UL Listed
2 HP

20A 250V
NEMA 2-20P
UL Listed
2 HP

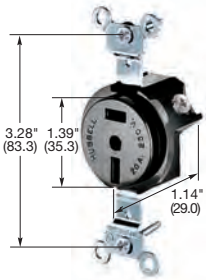
Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	–	**HBL9758VY**

HBL9758VY

Receptacle, Single

Description	Catalog Number	
Black phenolic.	**HBL5552B**	–

Note: Horsepower ratings are AC only and apply to plugs and receptacles only.
See pages A-46 and A-47 for accessories.



HBL5552B

Dimensions in Inches (mm)

20 Ampere, 125/250 Volts, 3Ø 250 Volts AC and 3ØY 120/208V AC

3 Pole, 3 Wire Non-Grounding; 3 Pole, 4 Wire Grounding; 4 Pole 4 Wire Non-Grounding

20A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

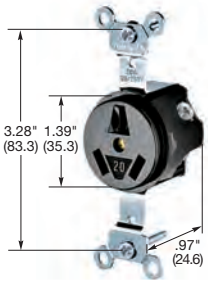
IP20 SUITABILITY

20A 125V/250V NEMA 10-20R
UL Listed
2(1) HP

20A 125V/250V NEMA 10-20P
UL Listed
2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL6810**	–
Plug, Insulgrip®, nylon.	.385"-.780" (9.8-19.8)	–	**HBL9977C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Those in parentheses are phase to neutral (120V AC).
See pages A-46 and A-47 for accessories.



HBL6810

20A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

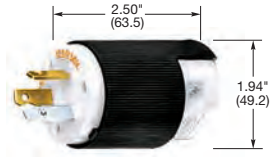
IP20 SUITABILITY

20A 125V/250V NEMA 14-20R
UL CSA
2(1) HP

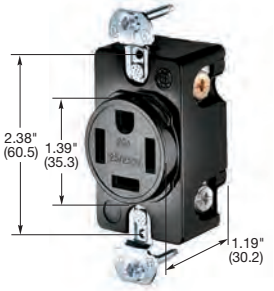
20A 125V/250V NEMA 14-20P
UL CSA
2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8410**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8411C**

Note: See pages A-46 and A-47 for accessories.



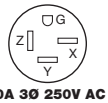
HBL9977C



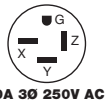
HBL8410

20A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



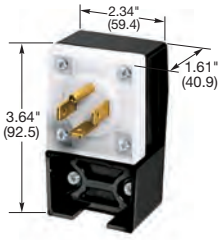
20A 3Ø 250V AC NEMA 15-20R
UL CSA
3 HP



20A 3Ø 250V AC NEMA 15-20P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8420**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8421C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Horsepower ratings in parentheses are phase to neutral (120V AC).
See pages A-46 and A-47 for accessories.



HBL8411C

20A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

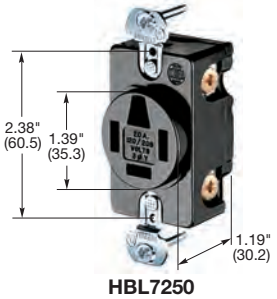
IP20 SUITABILITY

20A 3ØY 120/208V AC NEMA 18-20R
UL Listed
2 HP

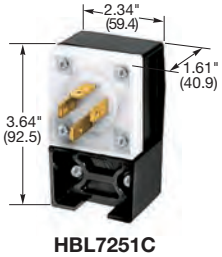
20A 3ØY 120/208V AC NEMA 18-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body.	–	**HBL7250**	–
Plug, nylon, angle, 4-position.	.390"-.775" (9.9-19.7)	–	**HBL7251C**

Note: Horsepower ratings are phase to phase (208 to 240V AC).
Weatherproof boots for plugs not available.
See pages A-46 and A-47 for accessories.

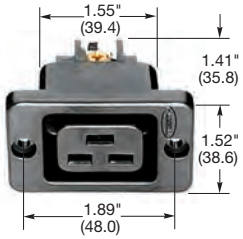


HBL7250



HBL7251C

Dimensions in Inches (mm)



H320R

Receptacle IEC 320 Compatible

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320R**
For Ring Terminal connection.	**H320RRT***

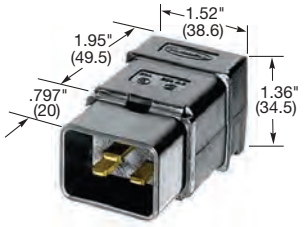
*Note: *Not UL Listed.*

H320C

Connector

IP20 SUITABILITY

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320C**

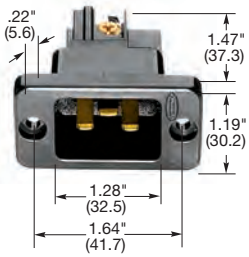


H320P

Plug IEC 320 Compatible

IP20 SUITABILITY

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320P**

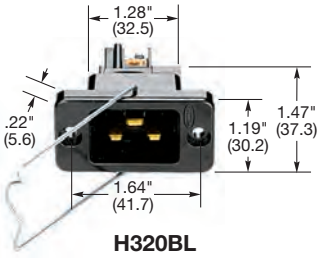


H320B

Inlets

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320B**
20/16A 250V AC IEC straight blade with retention clamp.	**H320BL**

Note: See page A-63 for technical information.



H320BL

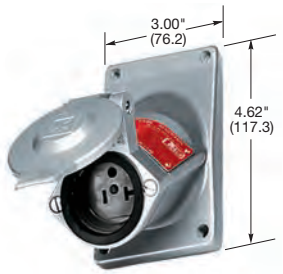
Dimensions in Inches (mm)

Acceptor®
Hazardous Location Receptacles

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Catalog Number
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups F, G Class III NEMA® 3, 7 B C D, 9 F G	**UGRO20231** **UGRA20231***

*Note: *UGRA version includes an adapter plate for mounting to Crouse-Hinds® EDS series and Appleton® EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.*



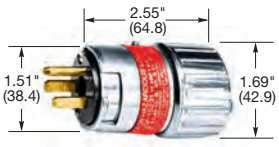
UGRO20231

Acceptor®
Hazardous Location Plugs

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Description	Catalog Number	
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups B, C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 3, 7 B C D, 9 F G	**UGP15231**	**UGP20231**

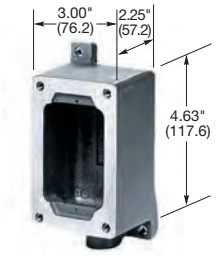


UGP15231

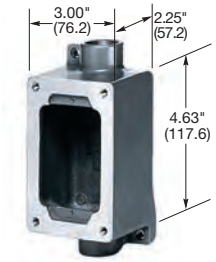
SWB Series Boxes

Hub Size	1-Gang Dead End	1-Gang Feed Thru
½ in. NPT ¾ in. NPT Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 7 C D, 9 E F G	**SWB1** **SWB2**	**SWB4** **SWB5**

Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.



SWB1



SWB5

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Dimensions in Inches (mm)

Heavy Duty Insulgrip® Plugs and Receptacles

30, 50, 60 Amp

Heavy duty cable grips handle a wide range of cable sizes to prevent conductor movement that can cause strain on the terminals

Neoprene dust shields fit a variety of cable diameters to provide a reliable seal to keep dust out

Reinforced thermoplastic polyester provides high impact and heat resistance

Supertough nylon housing provides high impact resistance

Gripping ribs provide secure gripping area

HBL9431C

Captive Allen head terminal screws are user-ready

Catalog number, NEMA number, ratings and certifications molded in face

Plated steel mounting plate provides corrosion resistance; Unit mounts in a 2-gang box

One piece design power and ground contacts provide low operating temperatures

Sequenced contacts assure protection for people and equipment

HBL9430A

Four-wire receptacles: Floating "V" bottom contact lugs bundle strands to provide high contact pressure and low operating temperatures

Catalog number, NEMA number, ratings and certifications molded in face

Captive Allen head terminal screws permit high torque and clamping pressure required for larger size conductors; User-ready

30 Ampere, 125, 250 Volts, 277 Volts AC and 125/250 Volts

2 Pole, 3 Wire Grounding and 3 Pole, 3 Wire Non-Grounding

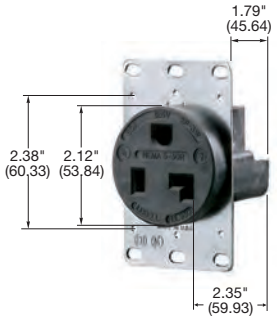
30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

30A 125V NEMA 5-30R UL CSA 2 HP

30A 125V NEMA 5-30P UL CSA 2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9308**	–
Receptacle, orange, isolated ground[Δ].	–	**IG9308**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9309***



HBL9308

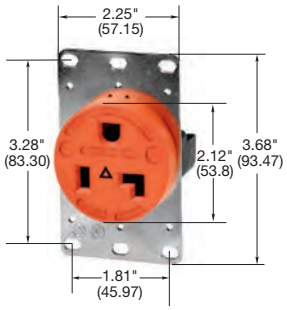
30A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

30A 250V NEMA 6-30R UL CSA 2 HP

30A 250V NEMA 6-30P UL CSA 2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9330**	–
Receptacle, orange, isolated ground[Δ].	–	**IG9330**	–
Plug, nylon, angle, 4-position	.625"-1.187" (15.9-30.1)	–	**HBL9331***



IG9308

30A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

30A 277V AC NEMA 7-30R UL CSA 3 HP

30A 277V AC NEMA 7-30P UL CSA 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9315**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9319***

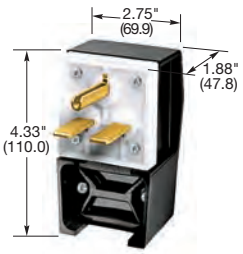
30A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

30A 125/250V NEMA 10-30R UL Listed 2(2) HP

30A 125/250V NEMA 10-30P UL Listed 2(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL9350**	–
Receptacle, surface mount aluminum housing.	–	**HBL9395**	–
Plug, Insulgrip®, nylon.	.625"-1.00" (15.9-25.4)	–	**HBL9337C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9333**



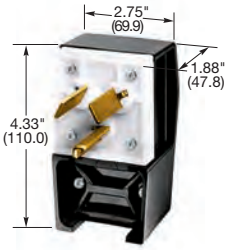
HBL9331

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

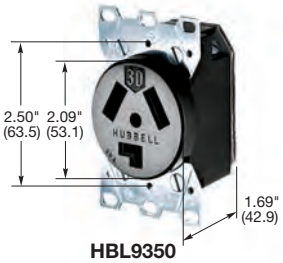
[Δ]See section M for additional information on isolated ground devices..

**Not Fed. Spec. Listed.*

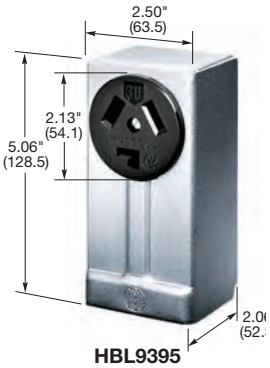
See page A-48 for accessories.



HBL9333



HBL9350



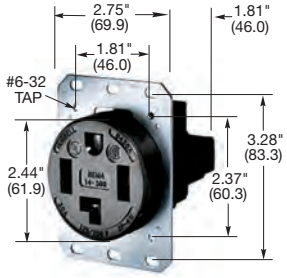
HBL9395

Dimensions in Inches (mm)

30 Ampere, 125/250 Volts, 3Ø 250 and 3ØY 120/208 Volts AC

3 Pole, 4 Wire Grounding and 4 Pole, 4 Wire Non-Grounding

Fed.Spec.



HBL9430A

30A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

30A 125/250V NEMA 14-30R 2(2) HP

30A 125/250V NEMA 14-30P 2(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9430A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL9431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	**–**	**HBL9432C**

HBL9431C

30A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

30A 3Ø 250V AC NEMA 15-30R 3 HP

30A 3Ø 250V AC NEMA 15-30P 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8430A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL8431C**
Plug, nylon, angle, 4-position	.625"-1.310" (15.9-33.3)	**–**	**HBL8432C**

HBL9432C

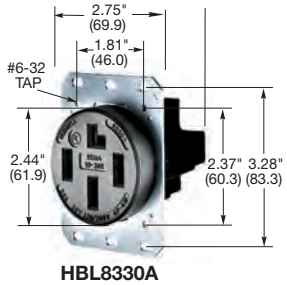
30A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

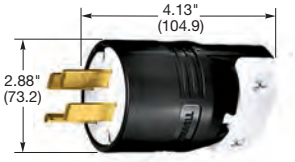
30A 3ØY 120/208V AC NEMA 18-30R UL Listed 3 HP

30A 3ØY 120/208V AC NEMA 18-30P UL Listed 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8330A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL8331C**



HBL8330A



HBL8331C

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

See page A-64 for technical information.
See page A-49 for accessories.

Dimensions in Inches (mm)

50 Ampere, 125, 250 Volts, 277 Volts AC and 125/250 Volts

2 Pole, 3 Wire Grounding and 3 Pole, 3 Wire Non-Grounding

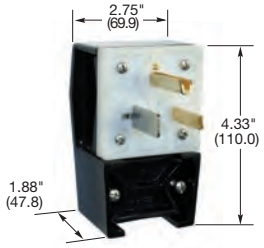
50A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 125V NEMA 5-50R UL CSA 2 HP

50A 125V NEMA 5-50P UL CSA 2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9360**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	**HBL9361**



HBL9361

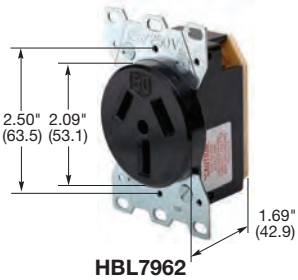
50A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 250V NEMA 6-50R UL CSA 3 HP

50A 250V NEMA 6-50P UL CSA 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9367**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	**HBL9368**



HBL7962

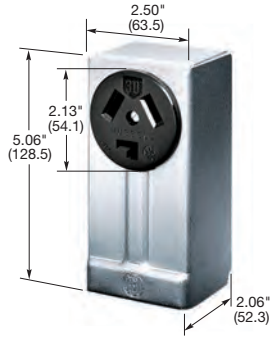
50A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 277V AC NEMA 7-50R UL CSA 5 HP

50A 277V AC NEMA 7-50P UL CSA 5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9365**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	**HBL9379**



Representative of surface mount receptacle

50A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles, Connector Body and Plugs

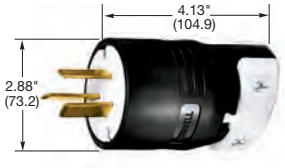
IP20 SUITABILITY

50A 125/250V NEMA 10-50R UL Listed 3(2) HP

50A 125/250V NEMA 10-50P UL Listed 3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL7962**	–
Receptacle, surface mount aluminum housing.	–	**HBL7940**	–
Connector body, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	**HBL7515C**	–
Plug, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	–	**HBL7513C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	–	**HBL7977**

HBL7515C



HBL7513C

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

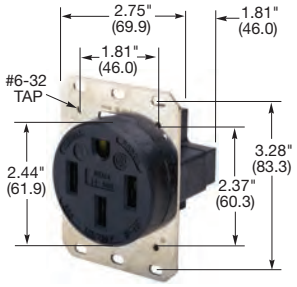
See page A-48 for accessories.

Dimensions in Inches (mm)

50 Ampere, 125/250 Volts, 3Ø 250 and 120/208 Volts AC

3 Pole, 4 Wire Grounding and 4 Pole, 4 Wire Non-Grounding

Fed.Spec.



HBL9450A

50A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 125/250V NEMA 14-50R
UL CSA
3(2) HP

50A 125/250V NEMA 14-50P
UL CSA
3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9450A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9452C**

HBL9451C

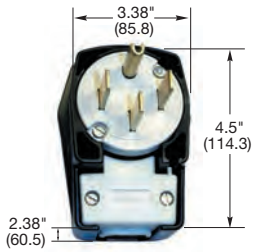
50A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 3Ø 250V AC NEMA 15-50R
UL CSA
7.5 HP

50A 3Ø 250V AC NEMA 15-50P
UL CSA
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8450A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8452C**



HBL9452C

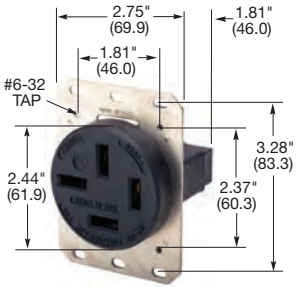
50A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

50A 3ØY 120/208V AC NEMA 18-50R
UL Listed
7.5 HP

50A 3ØY 120/208V AC NEMA 18-50P
UL Listed
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8350A**	–
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8352C**



HBL8350A

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

See page A-49 for accessories.

Dimensions in Inches (mm)

60 Ampere, 125/250 Volts, 3Ø 250 and 120/208 Volts AC

3 Pole, 4 Wire Grounding and 4 Pole, 4 Wire Non-Grounding

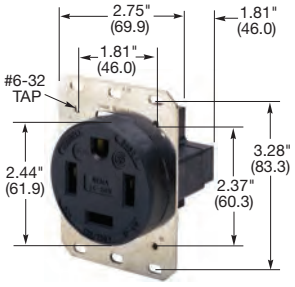
60A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

60A 125/250V NEMA 14-60R
UL CSA
3(2) HP

60A 125/250V NEMA 14-60P
UL CSA
3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9462C**



HBL9460A

60A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

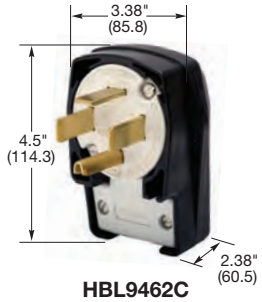
IP20 SUITABILITY

60A 3Ø 250V AC NEMA 15-60R
UL CSA
10 HP

60A 3Ø 250V AC NEMA 15-60P
UL CSA
10 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8462C**

HBL9461C



HBL9462C

60A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

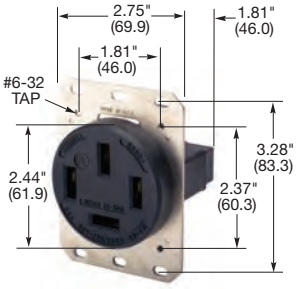
60A 3ØY 120/208V AC NEMA 18-60R
UL Listed
7.5 HP

60A 3ØY 120/208V AC NEMA 18-60P
UL Listed
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL7301A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL7303C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL7302C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

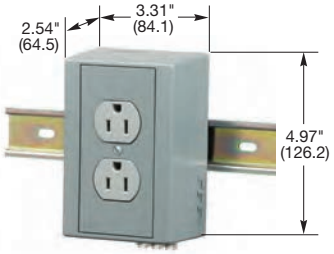
See page A-49 for accessories.



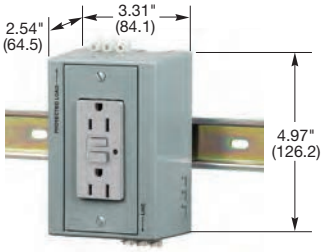
HBL7301A

Dimensions in Inches (mm)

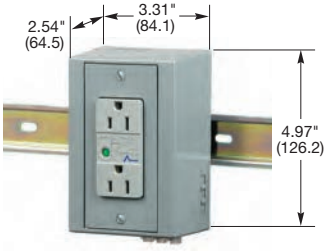
Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.



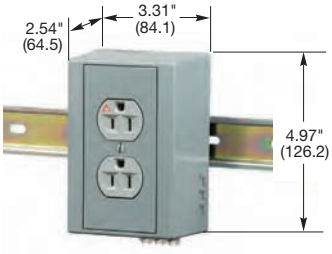
DRUB15



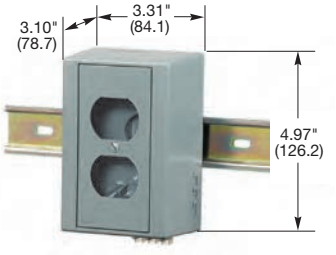
DRUBGFI15AC



DRUBTVSS15



DRUBIG15



HIDRUBCKIT

Dimensions in Inches (mm)

Duplex Receptacles

Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Complete unit.	Gray	**DRUB15**	**DRUB20**
Complete unit, horizontal mount.	Gray	**DRUB15H**	**–**
Complete unit with 5A circuit breaker.	Gray	**DRUB15CB5**	**–**
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUB15HCB5**	**–**
Complete unit with aux.	Gray	**–**	**DRUB20AC**
Complete unit with aux and 5A circuit breaker.	Gray	**–**	**DRUB20ACCB5**
Complete unit with NEMA® 6-20R duplex (250V).	Gray	**–**	**DRUB5462***

GFCI Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBGFI15**	**DRUBGFI20**
Complete unit, horizontal.	Gray	**DRUBGFI15H**	**–**
Complete unit with 5A circuit breaker.	Gray	**DRUBGFI15CB5**	**–**
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUBGFI15HCB5**	**–**
Complete unit with aux GFCI contacts.	Gray	**DRUBGFI15AC**	**DRUBGFI20AC**
Complete unit, faceless with aux GFCI contacts.	Gray	**–**	**DRUBGFI20BFAC**

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBTVSS15**	**–**

Isolated Ground[Δ] Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBIG15**	**–**

Toggle Switch Unit

Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	**DRUB1221AC**
Complete unit with 15A 125V SW/REC.	Gray	**DRUB6404**

DIN Rail Utility Box Components

Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	**DRUBKIT**
Pre-wired kit with circuit breaker.	Gray	**DRUBKITCB5**
Pre-wired kit with aux.	Gray	**DRUBKITAC**
Pre-wired kit with circuit breaker and aux.	Gray	**DRUBKITACCB5**
Communications kit (unloaded). (For use with Network Wiring frames in section W).	Gray	**HIDRUBCKIT**
Switch plate only.	Gray	**KP1GY****
Rectangular opening plate only.	Gray	**KP26GY****
1.60 in. opening plate only.	Gray	**KP720GY****
1.40 in. opening plate only.	Gray	**KP7GY****
Duplex receptacle plate only.	Gray	**KP8GY****

Note: [Δ]See section M for additional information on isolated ground devices.
**DRUB5462 configuration not pictured.*
***UL Listed, CSA Certified.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

Miscellaneous Receptacles

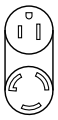
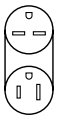
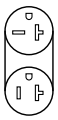
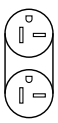
Description	Catalog Number
Receptacle, display type, brown phenolic with .060 in. brass plate and blank flush plug.	**HBL5236**
Replacement receptacle for HBL5236.	**HBL5236M2**
Replacement threaded plug for HBL5236.	**HBL5236PLUG***
Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box.	**HBL6236**
Receptacle, clock hanger, brown with stainless steel plate.	**HBL5235**
Four outlet cluster, brown phenolic, steel cover, swivel hook. Cord grip range .296–.562 in. (7.5–14.3) cord not supplied.	**HBL9259***

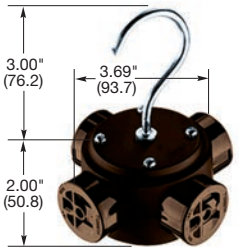
*Note: *Not UL Listed or CSA certified.*

HBL5236

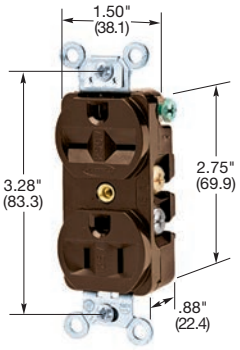
HBL5235

Special Combination Duplex Receptacles

Description			Catalog Number
15A, 125V		Brown RTP, 1 feed, 1 return, back/side wired	**HBL4792**
		Brown RTP, 2 feeds, 1 return, side wired	**HBL4794**
15A, 125V		Brown RTP, 2 feeds, 2 returns, side wired	**HBL4795**
15A, 250V		Brown nylon face, 2 circuit, back and side wired	**HBL5292**
15A, 125V		Ivory nylon face, 2 circuit, back and side wired	**HBL5292I**
20A, 250V		Brown nylon face, 2 circuit, back and side wired	**HBL5492**
		Ivory nylon face, 2 circuit, back and side wired	**HBL5492I**
20A, 125V			
15A, 125V		Brown RTP, 2 feeds, 1 return, common ground	**HBL7371**
10A, 250V 15A, 125V			
20A, 125V		Brown nylon, side and back wired	**HBL5392**
20A, 125V		*Note: This device will only accept 20A grounding plugs.*	



HBL9259



HBL5292

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
**Not UL Listed or CSA certified.*
See page A-46 for accessories.

Dimensions in Inches (mm)

NP8

NP26I

SS7

Wallplates, 1-Gang

Description	Color	Duplex Receptacles Catalog Number	Style Line® Receptacles Catalog Number	Single Receptacle Plate 1.40 in. (35.6) Dia. Catalog Number
Nylon, smooth.	Almond	**NP8AL**	**NP26AL**	**NP7AL**
	Black	**NP8BK**	**NP26BK**	**NP7BK**
	Brown	**NP8**	**NP26**	**NP7**
	Gray	**NP8GY**	**NP26GY**	**NP7GY**
	Ivory	**NP8I**	**NP26I**	**NP7I**
	Light Almond	**NP8LA**	**NP26LA**	**NP7LA**
	Office White	**NP8OW**	**NP26OW**	**NP7OW**
	Orange	**NP8OR**	**–**	**–**
	Red	**NP8R**	**NP26R**	**NP7R**
	White	**NP8W**	**NP26W**	**NP7W**
Stainless steel 302/304, .035 in. (0.9) horizontal brushed finish.		**SS8**	**SS26**	**SS7**
Brass .04 in. (1.0), horizontal brushed finish.		**SB8**	**SB26**	**SB7**
Aluminum .05 in. (1.3), horizontal brushed finish.		**SA8**	**–**	**SA7**

HBL52CM22

HBL5206WO

HBL7423WO

Weatherproof Covers

Description	Duplex Receptacles Catalog Number	Single Receptacle Plate 1.40 in. (35.6) Dia. Catalog Number
RTP, gray, for FS/FD box mounting.	**HBL5221**	**HBL7423WO**
RTP, yellow, for FS/FD box mounting.	**HBL52CM21**	**HBL74CM23WO**
RTP, gray, for device mounting.	**HBL5222**	**–**
RTP, yellow, for device mounting.	**HBL52CM22**	**–**
Cast aluminum for FS/FD box mounting.	**HBL5206WO**	**HBL7420**
Cast aluminum for device mounting.	**HBL5205WO**	**–**

Note: All weatherproof plates are UL Listed for Wet Locations.
Those with suffix WO are listed for use with cover open, all others with cover closed.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section N for additional information on cover plates.

IP44
SUITABILITY

Weatherproof Covers
For Nylon Flanged Inlets and Flanged Receptacles

Description	Catalog Number
RTP, gray, for FS/FD box mounting.	**WP1**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page N-23 for additional information on weatherproof covers.

WP1

IP55*
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets.	**HBL6017**
Same as above except yellow.	**HBL60CM17**
Seal-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set.	**HBL6018**
Same as above except yellow.	**HBL60CM18**
Closure plug, black.	**HBL6019**
Closure plug, yellow.	**HBL60CM19**

*Note: *IP55 when installed and used properly with mating components.*
Boots are not UL Listed or CSA Certified.

HBL6017

HBL6018

HBL60CM19
Shown with HBL6018

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout devices for 15 and 20A straight blade plugs.	**HLDMP****
PLUGOUT® Lockout device for 20 and 30A Hubbell plugs and others.	**HLD****

*Note: **Not UL Listed or CSA Certified.*
See section Z for additional information on lockout devices.

HLDMP

Inserts

Description	Catalog Number
Replacement cord grip inserts for Valise® device, (bag of 40).	**HBLVCGBK****

*Note: **Not UL Listed or CSA Certified.*

HLD

Dimensions in Inches (mm)

SS723

SS703

Wallplates

Description	Color	Single Receptacle Plate 2.16 in. (54.9) Dia. Catalog Number
Nylon, smooth, 1-gang.	Black	**NP724BK**
Nylon, smooth, 2-gang.	Black	**NP703BK**
Aluminum, .05 in. (1.3), 1-gang, smooth horizontal brushed finish.		**SA723**
Stainless steel 302/304, .035 in. (0.9), 1-gang, smooth horizontal brushed finish.		**SS723**
Stainless steel 302/304, .035 in. (0.9), 2-gang, smooth horizontal brushed finish.		**SS703**

IP44
SUITABILITY

HBL9420

Weatherproof Lift Covers

Description	Catalog Number
Cast aluminum for FS/FD box mounting for 30A.	**HBL9420**
Cast aluminum for FS/FD box mounting for 50A.	**HBL9425**

HLD2

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	**HLD2**

Note: See section Z for additional information on lockout devices.

Dimensions in Inches (mm)

Wallplates, 2-Gang

Description	Single Receptacle Plate 2.48 in. (63.0) Dia. Catalog Number
Brass .04 in. (1.0), brushed, smooth.	**SB701**
Stainless steel 302/304, .035 in. (0.9), smooth horizontal brushed finish.	**SS701**

SS701

IP44
SUITABILITY

Weatherproof Lift Covers

Description	Catalog Number
RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages A-40 to A-43 with “A" suffix.	**HBL7777A**
Same as above except yellow.	**HBL77CM77A**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

HBL7777A

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	**HLD2**

Note: See section Z for additional information on lockout devices.

HLD2

Dimensions in Inches (mm)

HBL8200GY

HBL® Extra Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL8200	Receptacle	15A
Manufacturer's Identification – Hubbell HBL8200	Top	PBT*
Description – Hospital Grade, Straight Blade Duplex Receptacle	Base	RTP**
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass – Nickel Finish
Rating – 15A, 125V	Clamping Plate	.031 in. (.8) Brass – Nickel Finish
Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596,	Mounting Strap	.050 in. (1.3) Brass – Nickel Finish
Hospital Grade, NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Silicone Bronze, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Hex Head Grounding Screw	#10-32 (Green) Silicon Bronze, Multiple Drive
	Center Assembly Rivet	Silicon Bronze
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Stainless Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Polybutylene Terephthalate.*
***Reinforced Thermoplastic Polyester.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

HBL5262

HBL® Extra Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5262	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5262	Top	Nylon
Description – Heavy Duty Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass
Rating – 15A, 125V	Wire Clamps	.031 in. (.8) Brass
Certification: UL Listed to UL498 File E2186, Guide RTRT	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Meets NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Brass, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Ground Screw	#10-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated
	Ground Tension Clips	Steel-Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	Top: UL 94V-2. Base: UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

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HBL5252

HBL® Compact Extra Heavy Duty, Specification Grade Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5252	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5252	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.032 in. (.8) Brass
Rating – 15A, 125V	Wire Clamps	.062 in. (1.8) Steel
Certification – UL Listed to UL 498 File E2186,	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

HBL2152

HBL2172

HBL® Compact Heavy Duty Style Line®, Specification Grade and Hospital Grade Straight Blade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2152	Receptacle	15A
Manufacturer's Identification – Hubbell HBL2152 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL File No. E2186	Mounting Strap	.040 in. (1) Steel (Galvanized)
Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2172	Receptacle	15A
Manufacturer's Identification – Hubbell HBL2182 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL listed to UL498 File E2186,	Mounting Strap	.040 in. (1) Steel (Galvanized)
Fed. Spec. WC596, Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

Please consult the factory for product dimensions and specifications of other products listed in this catalog.

SNAP*Connect*® Straight Blade Duplex Receptacles Specification Grade and Hospital Grade

SNAP8200WA

SNAP2182A

SNAP5362IA

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. SNAP8200	Receptacle	15A
Manufacturer's Identification – Hubbell SNAP8200	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	Brass
Rating – 15A, 125V	Mounting Strap	Galvanized Steel; Brass (HG)
Certification – UL Listed to UL 498	Automatic Self-Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping

Connector	Contact	Connector Body	Wire
SNAP1RA	Brass	Clear Polycarbonate	6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).
SNAP2RA	Brass	Clear Polycarbonate	6" Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).

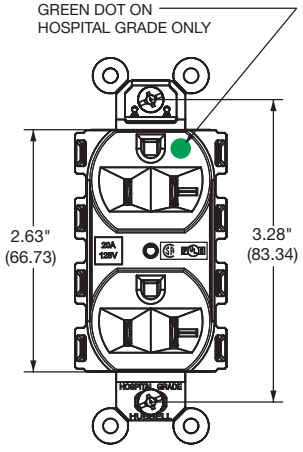
Performance

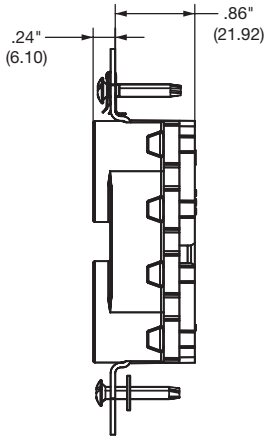
Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.

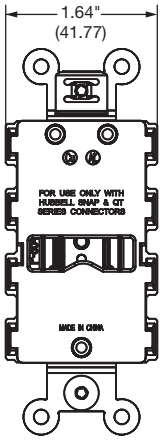
Mechanical	
Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions







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8200REDLTR

2182IVLTR

Hubbell-PRO Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. 8200	Receptacle	15A
Manufacturer's Identification - Hubbell-Pro 8200	Top	Nylon
Description - Straight Blade Hospital Grade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.0295" Brass
Rating - 15A, 125V	Clamping Plate	Plated Steel
Certification - UL listed to UL 498, Fed Spec WC596	Mounting Strap	.040" Galvalized Steel
Hospital Grade, NEMA® WD-6 Compliant	Terminal Screws	Plated Steel
Certified to CSA	Hex Head Grounding Screw	Plated Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

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USB Charger Tamper-Resistant, Straight Blade Hospital Grade and Specification Grade Duplex Receptacles

USB8300R

USB15X2W

Specifications

USB Charger Receptacle	Part	Description
Typical Specification - Catalog No. USB8300 Manufacturer's Identification - Hubbell USB8300	Charger Receptacle	USB 3 Amp 5VDC, Electrical 15A or 20A 125V
USB Charger	Ports	Type A, 2.0
	LED	Green Indicator
Receptacle	Top	Nylon
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.030" Cooper Alloy
Rating - 15A, 125V	Clamping Plate	Plated Steel
	Mounting Strap	.040" Galvanized Steel
Certification – cULus listed to UL498 and UL1310	Terminal Screws	Plated Steel
Hospital Grade, NEMA® WD-6 Compliant (USB8200	Hex Head Grounding Screw	Plated Steel
and 8300 series only)	Automatic Self-Grounding Staple	Stainless Steel
Complies with battery charging specification USB BC 1.2	Mounting Screws	Zinc Plated Steel
Complies with Part 15 of the FCC rules		
Compatible with SUB 1.1/2.0/3.0 devices, including Apple products		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
USB Port	Stainless Steel Rated for 10,000 plug insertions and removal
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Circuit Feed-Through	20 Amp 125 Volt

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

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Hubbell-PRO Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

5252A

5262

Specifications

Receptacle, Smooth Nylon Face	Part	Description
Typical Specification – Catalog No. 5252A	Receptacle	15A
Manufacturer's Identification – Hubbell 5252A Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL File No. E2186	Mounting Strap	.040 in. (1) Steel (Galvanized)
Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Receptacle, Finder Groove Face	Part	Description
Typical Specification – Catalog No. 5262	Receptacle	15A
Manufacturer's Identification – Hubbell 5262 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL listed to UL498 File E2186,	Mounting Strap	.040 in. (1) Steel (Galvanized)
Fed. Spec. WC596, Certified to CSA C22.2, No. 42	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

Please consult the factory for product dimensions and specifications of other products listed in this catalog.

CR15ALP1

DR15GRYP1

Commercial Specification Grade Receptacles with Wire Leads

Specifications

Part	
Top	Nylon
Base	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass
Finish	
Mounting Strap	.040 in. (1) Steel (Galvanized)
Ground Contact	.031 in. (.8) Brass
Line Terminal Screws	–
Ground Screw	–
Wire Leads	8" Solid or Stranded copper #12 AWG THHN/THWN-2 600V, T90 nylon FT-1, PVC 90°C (min)
Automatic Self-Grounding Staple	Stainless Steel
Mounting Screws	Zinc Plated Steel
Certification	
UL Listed	UL498
Fed. Spec.	WC596*
Certified to CSA	C22.2, No. 42

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.
Mechanical	
Terminal Identification	–
Terminal Accommodation	–
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

Commercial Specification Grade Receptacles

CRF15I

BR15LA

DR20I

CR20TR

DR20GRYWR

Specifications

Part	Standard	Weather Resistant
Top	Nylon	Nylon (UV Rated)
Base	Nylon	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass	.030 in. (.8) Brass
Wire Clamp	.062 in. (1.6) Steel-Nickel Plated	.062 in. (1.6) Steel-Nickel Plated
Finish		
Mounting Strap	.040 in. (1) Steel (Galvanized)	.040 in. (1) Steel (Galvanized)
Ground Contact	.031 in. (.8) Brass	.031 in. (.8) Brass
Line Terminal Screws	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Ground Screw	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Automatic Self-Grounding Staple	Stainless Steel	Stainless Steel
Mounting Screws	Zinc Plated Steel	Stainless Steel
Certification		
UL Listed	UL498	UL498
Fed. Spec.	WC596*	WC596*
Certified to CSA	C22.2, No. 42	C22.2, No. 42

Performance

Electrical		
Dielectric Voltage	Withstands 2,000V minimum.	Withstands 2,000V minimum.
Max. Working Voltage	125V.	125V.
Current Interrupting	Certified for current interrupting at full rated current.	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.
Mechanical		
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.
Environmental – Material		
Flammability	UL 94V-2.	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

4-PLEX® Receptacles

HBL415I

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL415	Receptacle	15 or 20A
Manufacturer's Identification – Hubbell 4-PLEX HBL415	Top	Polycarbonate
Description – Straight Blade, Multiple Outlet Receptacle	Base	Polycarbonate
Type – 2 Pole, 3 Wire, Grounding	Power Contacts	.032 in. (.8) Brass
Rating 15A, 125V	Ground Contacts	.031 in. (.8) Brass
Certification – Listed to UL Standard 498 File E2186	Ground Plate	.032 in. (.8) Plated Steel
Certified to CSA 22.2, No. 42 File 285	(Hospital Grade)	.050 in. (1.3) Plated Steel
	Line and Neutral Terminal Plate	.031 in. (.8) Brass
	Line Terminal Screw	#8-32 Brass
	Ground Screw	#8-32 Brass (Green)

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Capable of withstanding a fault level of 1000A, per UL498.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload current at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-12 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Insulgrip® Plugs and Connector Bodies

HBL5266C

HBL5269C

Specifications

Plugs	Part	Description	
Typical Specification – Catalog No. HBL5266C		Plug	15A
Manufacturer's Identification – Hubbell HBL5266C		Housing	Nylon – Black
Description – Straight Body Plug		Blade Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding		Retainer	Polycarbonate – Clear
Rating – 15A, 125V		Cord Clamp	Nylon – Natural
Verified to Federal Spec WC596		Contact Blades	.060 in. (1.5) Brass
Certification – UL Listed to UL498 File E1706,		Ground Contact Blade	.040 in. (1.0) Copper Alloy
CSA Certified to C22.2 No. 42 File 280		Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability – IP20		Ground Screw	#8-32 Brass, Multiple Drive (Green)
		Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Connector Bodies	Part	Description
Typical Specification – Catalog No. HBL5269C	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5269C	Housing	Nylon – Black
Description – Straight Body Connector	Contact Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Federal Spec WC596	Power Contacts	.040 in. (1.0) Copper Alloy
Certification – UL Listed to UL498 File E1706,	Line Terminal Screws	#8-32 Brass, Multiple Drive
CSA Certified to C22.2 No. 42 File 280	Ground Screw	#8-32 Brass, Multiple Drive (Green)
IP Suitability – IP20	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#18-10 AWG copper conductors only.
Product Identification	Ratings are a permanent part of the device.
Torque Range	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	.230–.720 in. (5.8–18.3) integral cord grip.

Environmental – Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Valise® Plugs and Connectors

HBL5965VY

HBL5969VY

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5965VY	Plug	15A
Manufacturer's Identification – Hubbell HBL5965VY	Housing	Nylon
Description – Straight Body Plug	Contact Blades	Brass
Type – 2 Pole, 3 Wire, Grounding	Ground Blade	Brass
Rating – 15A, 125V	Line Terminal Screws	Steel-Copper, Multiple Drive
Verified to Federal Spec WC596	Ground Screw	Steel (Green), Multiple Drive
Certification – UL Listed to UL 498 File E1706,	Cable Inserts	Poly Phenylene Oxide
CSA Certified to C22.2 No. 42 File 280C	Wire Clamps	Steel
IP Suitability – IP20	Body Holding Screws	Steel, Multiple Drive

Connector Bodies	Part	Connector
Typical Specification – Catalog No. HBL5969VY	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5969VY	Housing	Nylon
Description – Straight Body Connector	Contact and Ground Springs	Brass
Type – 2 Pole, 3 Wire, Grounding	Line Terminal Screws	Steel-Copper, Multiple Drive
Rating – 15A, 125V	Ground Screw	Steel (Green), Multiple Drive
Verified to Federal Spec WC596	Cable Inserts	Poly Phenylene Oxide
Certification – UL Listed to UL 498 File E1706,	Wire Clamps	Steel
CSA Certified to C22.2 No. 42 File 280C	Body Holding Screws	Steel, Multiple Drive
IP Suitability – IP20		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	Copper conductors only. 2 Wire 15A Only #18-14 AWG, 2 Wire 20A & 3 Wire #18-12 AWG, Hospital Grade #16-12 AWG, I.D. Valise #18-16 AWG.
Product Identification	Molded Rating on Device Face.
Torque	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	2-Wire 15A Only .218–.385 in. (5.5–9.8), 2-Wire 20A & 3 Wire .220–.660 in. (5.6–16.8), Hospital Grade .300–.660 in. (7.6–16.8), I.D. Valise .230–.360 in. (5.8–9.1).

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Standards
NEMA® WD1
NEMA® Configurations
Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42
Verified to Federal Spec WC596

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

IEC 320 Devices

H320R H320C H320P H320B

Specifications

Receptacle	
Catalog Number	H320R
Description	IEC Configuration compatible straight blade panel mount receptacle.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Certification	UL listed 20A 250V AC – File No. E2186; CSA certified 20A 250V AC – File No 17337.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only. International – 1.55mm2–2.5mm2.
Connector	
Catalog Number	H320C
Description	IEC Detachable straight blade connector.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C19.
Certification	UL listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337; UL classified to IEC 320, 16A 250V AC – File No. E111246;
Cord Accommodation	North American – 16/3SJ-12/3SJ (.325–.475 in. dia.); International – (HAR cord) 3x1.5mm2–3x2.5mm2 (8mm–12mm dia.).
IP Suitability	IP20.
Plug	
Catalog Number	H320P
Description	IEC Configuration compatible straight blade Valise® plug.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Certification	UL listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337.
Cord Accommodation	North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.); International – (HAR cord) 3x1.5mm2 3x2.5mm2 (8–12mm dia.).
IP Suitability	IP20.
Inlet	
Catalog Number	H320B and H320BL
Description	IEC Straight blade panel mount power inlet.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C20.
Certification	UL listed 20A 250V AC – File No. E1706; CSA certified 20A 250V AC – File No. 17337; UL classified to IEC 320, 16A 250V AC – File No. E111246; VDE certified at 16A 250V AC – File No. 12469 1550 1002.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only. International – 1.5mm2–2.5mm2.

Heavy Duty Insulgrip® Plugs and Receptacles

HBL9431C

HBL9430A

Specifications

Plug	Part	Description
Typical Specification - Catalog No. HBL9431C	Plug	30A
Manufacturer's identification - Hubbell HBL9431C	Housing	Supertough Nylon
Description - Straight Body Plug	Blade Holder & Retainer	Reinforced Thermoplastic Polyester
Type - 3 Pole, 4 Wire, Grounding	Blades	Brass
Rating - 30A, 125/250V	Terminal Screws	⅜ in. Allen Head, Plated Steel
Certification - UL Listed File E1706, CSA Certified*	Box Terminals	Copper Alloy
IP Suitability - IP20	Cord Clamps	Reinforced Thermoplastic Polyester
	Mounting and Clamp Screws	Stainless Steel
	Cord Grip Range	.625–1.310 in. (15.9–33.3)

Receptacle	Part	Description
Typical Specification - Catalog No. HBL9430A	Receptacle	30A
Manufacturer's Identification - Hubbell HBL9430A	Housing Construction	Reinforced Thermoplastic Polyester
Description - Single Receptacle	Mounting Plate	.062 in. (1.5) Pre-Plated Steel
Type - 3 Pole, 4 Wire, Grounding	Contacts	Brass
Rating - 30A, 125/250V	Ground Shunt	Brass
Certification - UL Listed File E2186, CSA Certified	Terminal Screws	⅜ in. Allen Head, Plated Steel
	Box Terminals	Copper

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interruption	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#12 AWG through #4 AWG copper wire only.
Production Identification	Ratings are a permanent part of the device.

Environmental	
Flammability	Receptacle: UL 94 VO. Plug: UL 94 HB (Housing), UL 94 VO (Blade Holder and Retainer).
Operating Temperature	Maximum continuous 60°C, minimum -40°C (w/o impact).

*Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.*

Section B

Twist-Lock® and Hubbellock® Devices

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Midget Twist-Lock® Devices

Twist-Lock® Devices

Watertight Safety-Shroud® and Circuit-Lock®

50 Amp Devices and Hubbellock®

Insulgrip® Plugs, Connectors, Receptacles and Inlets
The widest range of singularly rated NEMA devices available. Designed to last from engineered thermoplastic materials and high performing alloys.

Safety-Shroud® Twist-Lock®
The ultimate in Twist-Lock safety. A full offering of plugs and connectors that lead the field in personnel safety. Also included are receptacles in three styles, angled, surface mount and semi-flush to satisfy every installation need.

Watertight Safety-Shroud® Twist-Lock®
A complete family of plugs, connectors, receptacles and inlets featuring UL Type 4X enclosure ratings and Safety-Shroud design.

There's Only One Manufacturer of Twist-Lock®...Hubbell.

There's no company more synonymous with a tradition of excellence in the electrical industry than Hubbell. Having introduced the Twist-Lock device in the early 20th century Hubbell has been the market leader ever since.

Hubbell Insulgrip® Twist-Lock's rugged construction features highly engineered materials, roomy wiring chambers, superior strain relief and powerful cord grip designs. Insulgrip Twist-Lock products are the foundation of the broadest breadth of line available. Hubbell offers Twist-Lock for minimum space applications (Midget), and all other applications from 15 Amp to 50 Amp. Hubbell's design expertise assures the best performing products available.

Hubbell Re-Defines Excellence
The Insulgrip Twist-Lock product line features a complete offering of 20A and 30A Safety Shroud Twist-Lock devices. Current carrying blades are protected by a fixed shroud, shielding them from deformation. Even more importantly, the shroud virtually eliminates user contact with a partially engaged, energized plug. For wet environments, Hubbell offers the Watertight Safety-Shroud Twist-Lock series. These products incorporate the shrouding technology with a UL Type 4X enclosure rating.

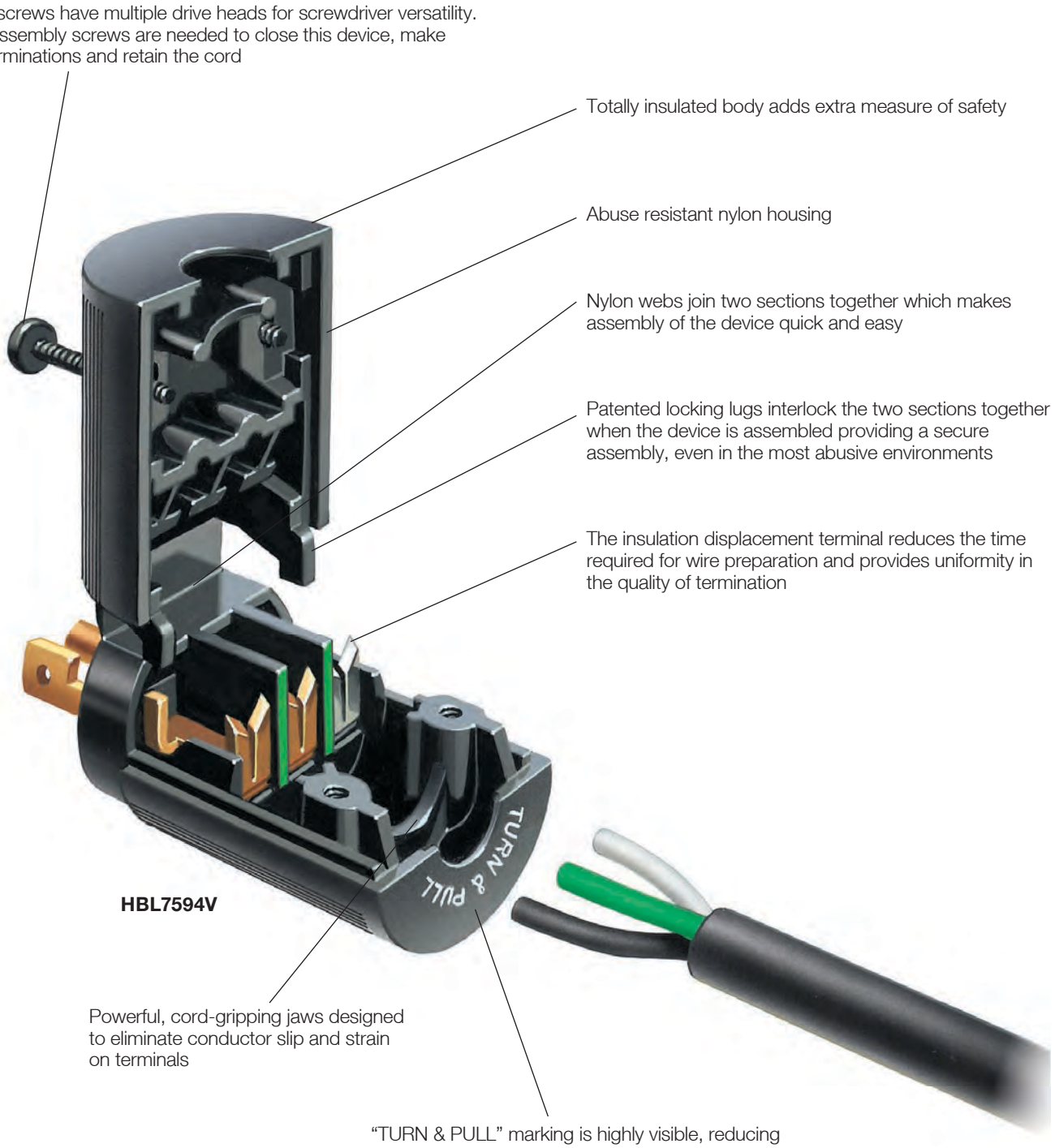
Watertight Mechanical Interlock for Safety-Shroud® Twist-Lock®
Hubbell's Circuit-Lock enclosure products virtually eliminate making or breaking the circuit under load.

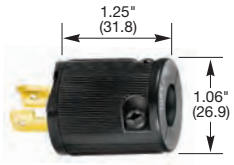
50 Amp Insulgrip Twist-Lock®
An exclusive Hubbell design delivering Insulgrip features, insulated housing and superior strain relief. They are tough and rugged enough for the most demanding construction or industrial applications.

Midget Twist-Lock®
These 2 wire and 3 wire products offer the same quality as their larger counterparts, but are sized to go where they can't. The optional Valise® design makes for fast, simple wiring.

Hubbellock® Devices
Hubbellock devices are the proven choice to reduce problems resulting from arcing, lazy connections, loosening terminals, moisture, corrosion and rough use.

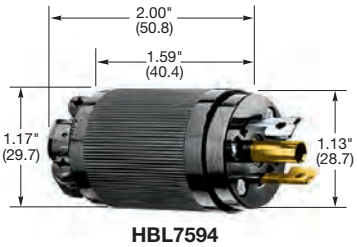
Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock® Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.





HBL7465V

HBL7594V



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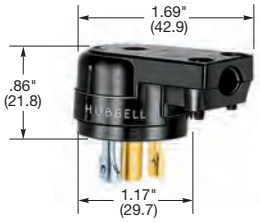

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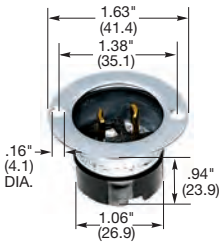


HBL7466, HBL7467

IP20 SUITABILITY

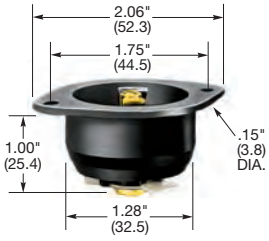
Plugs

Description	Cord Dia.	15A 125V NEMA ML-1P	15A 125V NEMA ML-2P	15A 125/250V NEMA ML-3P
Valise® plug, black nylon.	.220"-.385" (5.6-9.8)	**HBL7465V***	–	–
Valise® plug, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7594V**	–
Black nylon cover, phenolic body, multiple drive screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7594**	–
Angle plug, black nylon cover, phenolic body, multiple drive screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7570**	–
Valise® plug, black nylon, with insulation displacement terminals, multiple drive screws.	.300"-.430" (7.6-10.9)	–	–	**HBL7485V***
Black nylon body, phenolic base, multiple drive screw terminals, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7485***
Same as above, except angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7432***

Flanged Inlets

Description	Catalog Number		
Stainless steel flange, polarized, exposed terminals.	**HBL7467***	–	–
Stainless steel flange, not polarized, exposed terminals.	**HBL7466***	–	–
Exposed terminals, black nylon flange.	–	**HBL7595N**	–
Exposed terminals, stainless steel flange.	–	**HBL7595**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia.	–	**HBL7551**	–
Exposed terminals, black nylon flange.	–	–	**HBL7486N***
Exposed terminals, stainless steel flange.	–	–	**HBL7486***

Note: See page B-6 for accessories.
**UL Listed only.*
Male ML-2P devices have hollow center ground sleeves.
Male ML-3P devices have solid center neutral pins.



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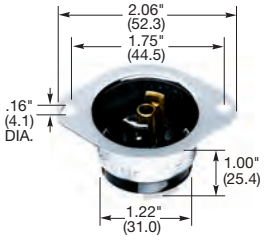

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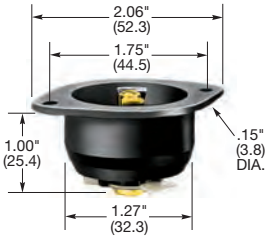

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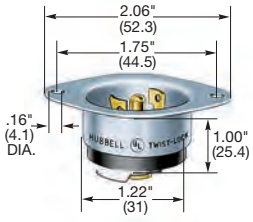


HBL7486

Dimensions in Inches (mm)

Connector Bodies

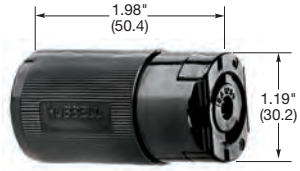
Description	Cord Dia.	IP20 SUITABILITY 15A 125V NEMA ML-1R	15A 125V NEMA ML-2R	15A 125/250V NEMA ML-3R
Valise® connector body, black nylon, polarized.	.220"-.385" (5.6-9.8)	**HBL7464V***	–	–
Valise® connector body, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7593V**	–
Black nylon cover, phenolic body, screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7593**	–
Angle connector body, black nylon cover, phenolic body, screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7571**	–
Valise® type, black nylon, with insulation displacement terminals, multiple drive screws.	.300"-.430" (7.6-10.9)	–	–	**HBL7484V***
Black nylon body, phenolic base, multiple drive screws, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7484***
Same as above, except for angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7433***

Flanged Receptacles

Description	Catalog Number		
Stainless steel flange, exposed terminals.	**HBL7468***	–	–
Exposed terminals, black nylon flange.	–	**HBL7596N**	–
Exposed terminals, stainless steel flange.	–	**HBL7596**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia.	–	**HBL7598**	–
Exposed terminals, black nylon flange.	–	–	**HBL7487N***
Exposed terminals, stainless steel flange.	–	–	**HBL7487***
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter.	–	–	**HBL7489***

Note: See page B-6 for accessories.
**UL Listed only.*
Female ML-2R devices have solid center ground pins.
Female ML-3R devices have hollow center neutral sleeves.

HBL7464V



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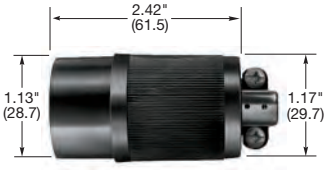

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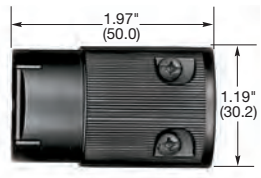
HBL7571



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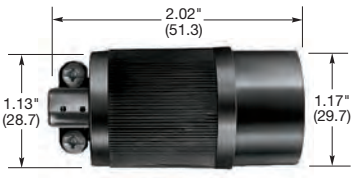

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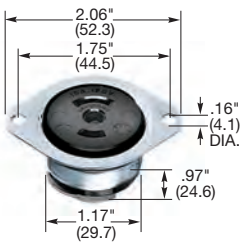

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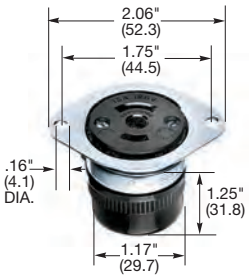

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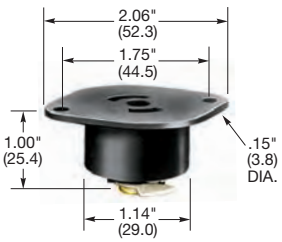
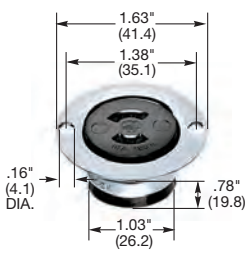


HBL7596N



HBL7468

Dimensions in Inches (mm)

HBL7490V

Weatherproof Accessories

Description	Catalog Number
Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet.	**HBL7490V***
Seal-tite® cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover.	**HBL7459V***
Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated.	**HBL4890**

HBL7459V

HBL4890

Weatherproof Accessories

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite® cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7595 or HBL7595N.	**HBL4889**

HBL7495V

HBL7440V

HBL4889

Weatherproof Accessories

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite® cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7486 or HBL7486N.	**HBL4889**

*Note: *IP55 suitability when installed and used properly with plug and connector body combinations.*

Dimensions in Inches (mm)

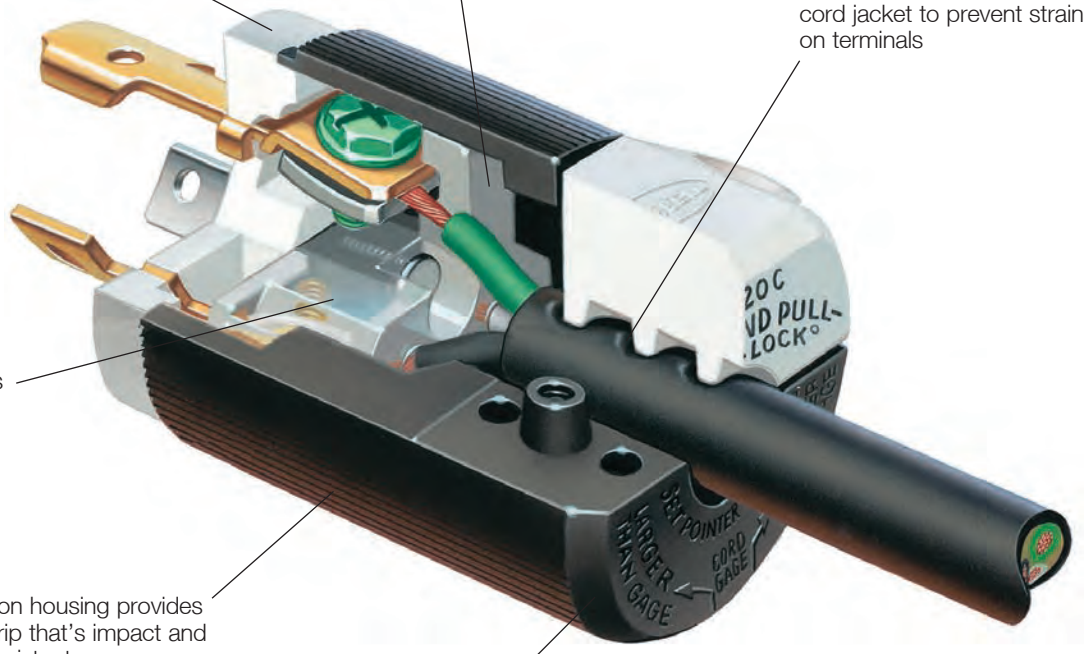
Insulgrip® 15 Ampere Plugs and Connector Bodies

Featuring Integral VARI-SIZE® Cord Grip

Individually molded face for each blade configuration keeps debris out of plug interior

Roomy wiring chamber provides ample space for wiring

Powerful, cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminals



Individual wiring terminals are completely enclosed in their own separate chambers

Ribbed nylon housing provides a secure grip that's impact and chemical resistant

HBL4770C

Beveled housing prevents snagging when dragged across uneven surfaces

Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3).

Multiple drive screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver.

VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0). Accepts slotted and Phillips head drivers.

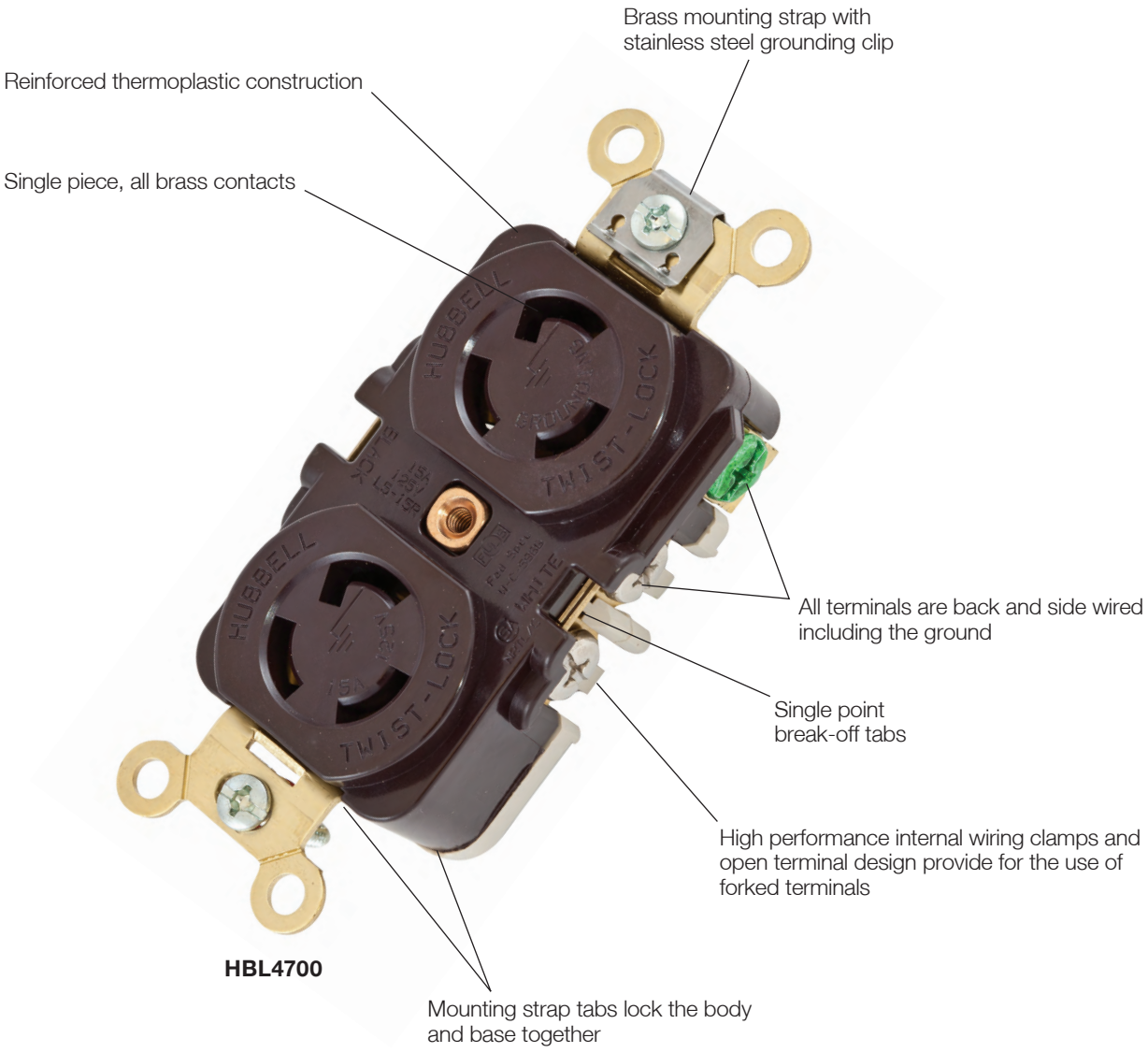
Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations.

Catalog number is visible on the device while in use for easy identification.

Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations.

15 Ampere Duplex Twist-Lock® Receptacles

Including Isolated Ground and Corrosion Resistant Devices



HBL4700

Hubbell Wiring Device-Kellems line of duplex Twist-Lock® receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermoplastic top and base encapsulates the brass alloy contacts that are locked together for unequaled assembly strength. Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 pole, 3 wire configurations including isolated ground and corrosion resistant versions.

Benefits

- High impact and heat resistance provides maximum safety and longer life.
- Superior spring characteristics for increased contact force, secure connections and longer life.
- High-conductivity, corrosion resistant material for reliable, low resistance to fault currents.
- Easy and reliable installation for stranded and solid wire.
- Features split circuit capability in the field.
- The assembly locks together to make the most abuse resistant receptacle ever.

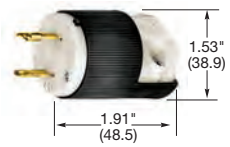
IP20
SUITABILITY

15A 125V
NEMA L1-15P
UL Listed
0.5 HP

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7545C**

Note: See page B-49 for accessories.



HBL7545C

Flanged Inlets

Description	Catalog Number
Nylon casing, polarized, backwired, Multiple drive screws.	**HBL7524C**

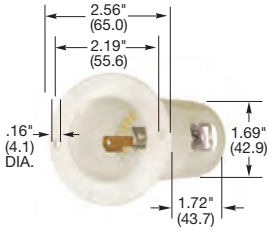
Note: See page B-48 for accessories.

15A 125V
NEMA L1-15R
UL Listed
0.5 HP

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7506C**

Note: See page B-49 for accessories.

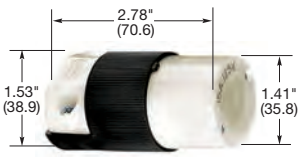


HBL7524C

Receptacles

Description	Catalog Number
Duplex, flush, black phenolic.	**HBL7540**
Single, flush, black phenolic.	**HBL7535**
Single, panel mount, 1 15/16" (49.2) centers, black phenolic.	**HBL7498**

Note: See pages B-48 and B-49 for accessories.

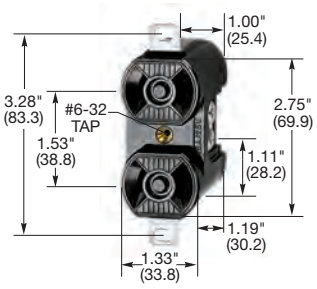


HBL7506C

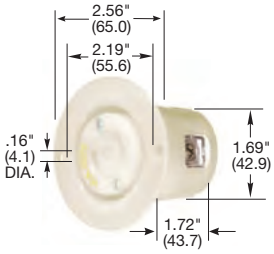
Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, backwired. Multiple drive screws.	**HBL7526C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL7526**

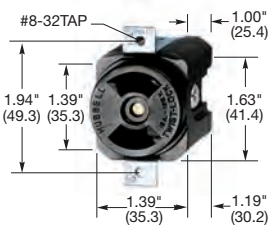
Note: See pages B-48 and B-49 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.



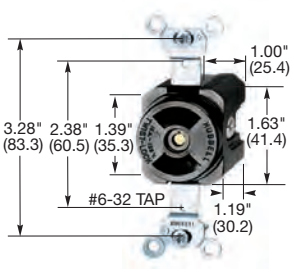
HBL7540



HBL7526C

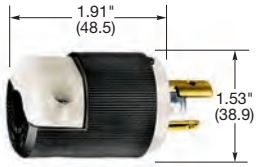


HBL7498



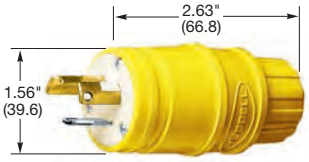
HBL7535

Dimensions in Inches (mm)

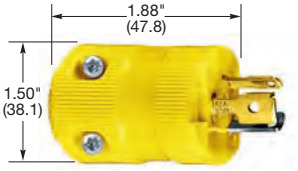


HBL4720C

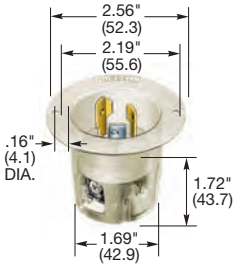
HBL4720CA



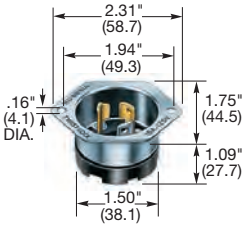
HBL24W47



HBL4723VY



HBL4716C



HBL4716

Dimensions in Inches (mm)

Plugs

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
		15A 125V NEMA L5-15P UL/CSA 0.5 HP	**15A 250V NEMA L6-15P** UL/CSA 1.5 HP	**15A 277V AC NEMA L7-15P** UL/CSA 2 HP
Insulgrip plug, black and white nylon. Multiple drive screws. Fed Spec WC596	.230"-.720" (5.8-18.3)	**HBL4720C**	**HBL4570C**	**HBL4770C**
All black nylon.	.230"-.720" (5.8-18.3)	**HBL4720CBK**	–	–
Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	**HBL4720CA**	**HBL4570CA**	**HBL4770CA**
Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. Fed Spec WC596	.230"-.720" (5.8-18.3)	**HBL47CM20C**	**HBL45CM70C**	**HBL47CM70C**
Elastogrip® plug, yellow elastomer, dust tight.	300"-.655" (7.6-16.6)	**HBL2447**	–	–
Elastogrip plug, yellow elastomer, water/dust tight.	300"-.655" (7.6-16.6)	**HBL24W47**	–	–
Valise® plug, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL4723VY**	**HBL4573VY**	**HBL4773VY**
Valise® plug, black nylon.	.220"-.660" (5.6-16.8)	**HBL4723VBK**	**HBL4573VBK**	**HBL4773VBK**

Note: See page B-49 for accessories.

Flanged Inlets

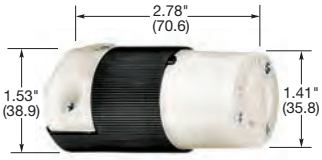
Description	Catalog Number		
Insulgrip flanged inlet, nylon casing, back wired.	**HBL4716C**	**HBL4586C**	**HBL4786C**
Stainless steel casing, brown phenolic.	**HBL4716***	**HBL4586***	**HBL4786***
Corrosion resistant, stainless steel casing, yellow melamine.	**HBL47CM16***	–	–

Note: See page B-48 for accessories.
HP ratings are AC only.
Only plugs are HP rated.
See page B-69 for technical information on Insulgrip devices.
**These flanged inlets will not accept Valise® connector bodies.*

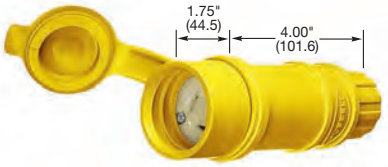
Connector Bodies

Description	Cord Dia.	Catalog Number		
	IP20 SUITABILITY	**15A 125V NEMA L5-15R** UL/CSA	**15A 250V NEMA L6-15R** UL/CSA	**15A 277V AC NEMA L7-15R** UL/CSA
Insulgrip connector body, black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL4729C**	**HBL4579C**	**HBL4779C**
All black nylon.	.230"-.720" (5.8-18.3)	**HBL4729CBK**	–	–
Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	**HBL4729CA**	–	–
Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL47CM29C**	**HBL45CM79C**	**HBL47CM79C**
Elastogrip connector body, yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	**HBL2547**	–	–
Elastogrip® connector body, yellow elastomer, water/dust tight.	.300"-.655" (7.6-16.6)	**HBL25W47****	–	–
Valise® connector body, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL4729VY**	**HBL4579VY**	**HBL4779VY**
Valise® connector body, black nylon.	.220"-.660" (5.6-16.8)	**HBL4729VBK**	**HBL4579VBK**	**HBL4779VBK**

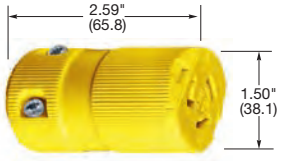
Note: See page B-49 for accessories.



HBL4729C



HBL25W47

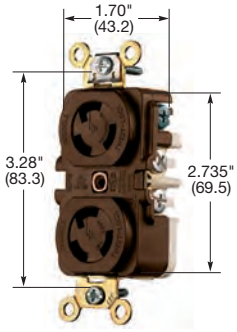


HBL4729VY

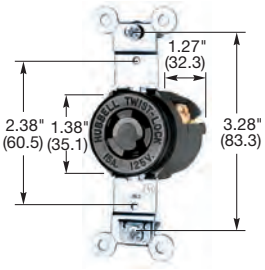
Receptacles

Description	Catalog Number		
Duplex, flush, brown RTP face, back and side wired.	**HBL4700***	**HBL4550***	**HBL4750***
Duplex, flush, ivory RTP face, back and side wired.	**HBL4700I***	–	–
Duplex, ring terminal connection.	**HBL4700RT***	**HBL4550RT***	–
Duplex, isolated ground, flush, orange RTP face, back and side wired.	**IG4700A***	**IG4550A***	–
Duplex, corrosion resistant, yellow RTP face, back and side wired.	**HBL47CM00***	–	–
Single, flush, black nylon face, back and side wired.	**HBL4710**	**HBL4560**	**HBL4760**
Same as HBL4760 without mounting screws, ears. Terminal screws backed out, back and side wired.	–	–	**HBL4760C**
Single, ring terminal connection.	**HBL4710RT**	**HBL4560RT**	–
Single, isolated ground, flush, orange nylon face, back and side wired.	**IG4710**	**IG4560**	–
Single, black nylon face mounted on a 4" (101.6) round box cover, back and side wired.	**HBL4711**	–	**HBL4761**
Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	**HBL4713**	**HBL4563**	**HBL4763**

Note: See pages B-48 and B-49 for accessories.



HBL4700

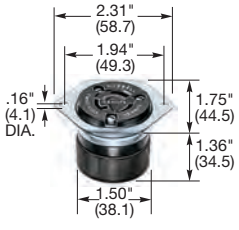


HBL4710

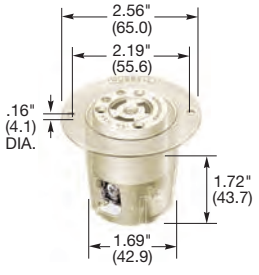
Flanged Receptacles

Description	Catalog Number		
Insulgrip flanged receptacle, nylon casing, back wired.	**HBL4715C**	**HBL4585C**	**HBL4785C**
Stainless steel casing, brown phenolic.	**HBL4715**	**HBL4585**	**HBL4785**
Corrosion resistant, stainless steel casing, yellow melamine.	**HBL47CM15**	–	–

Note: See pages B-48 and B-49 for accessories.
HP ratings are AC only.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section M for additional information on isolated ground devices.
**Supplied with break-off tabs for split circuit wiring.*
***Watertight connector body IP55 suitability when closure plug is inserted or when installed and used properly with watertight plug.*



HBL4715

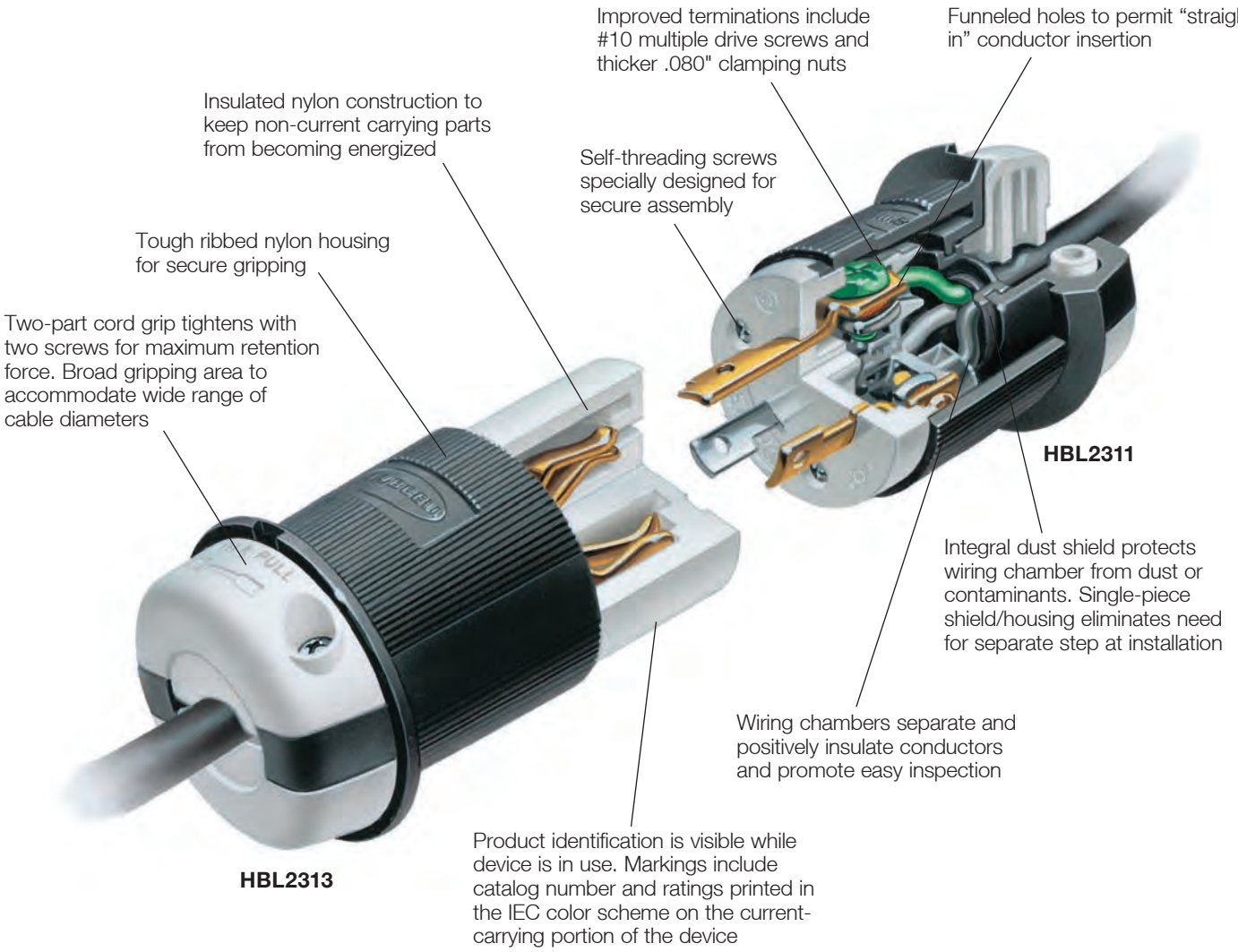


HBL4715C

Dimensions in Inches (mm)

20 and 30 Ampere Plugs and Connector Bodies

Features and Benefits



Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the 'industry standard'.

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The restyled cord grips provide a clean, one-piece look, and actually make it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

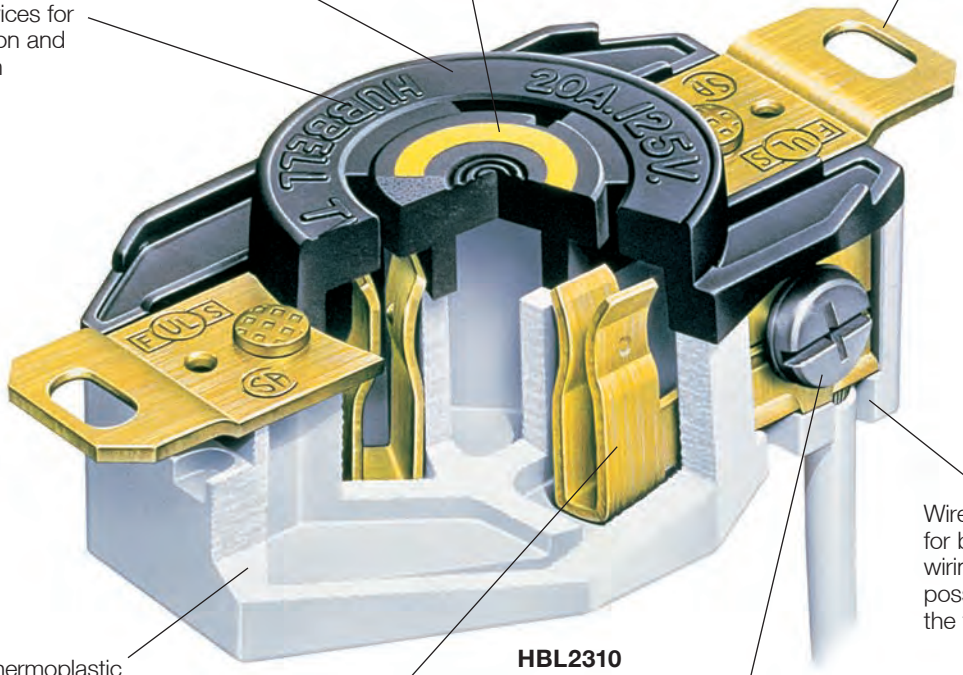
The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.

Face color coding by voltage facilitates locating and mating of proper devices

All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems

High-impact, abuse-resistant nylon face

Boss diameter is 1.562" on 20 and 30A devices for simplifying installation and accessory selection



HBL2310

Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection

Glass-Reinforced thermoplastic polyester base (RTP) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resistance it provides, however, is much greater than that of a thermoset

One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

#10 silicon bronze terminal screw provides greater strength and resistance to corrosion and stripping. Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver pace-setting performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

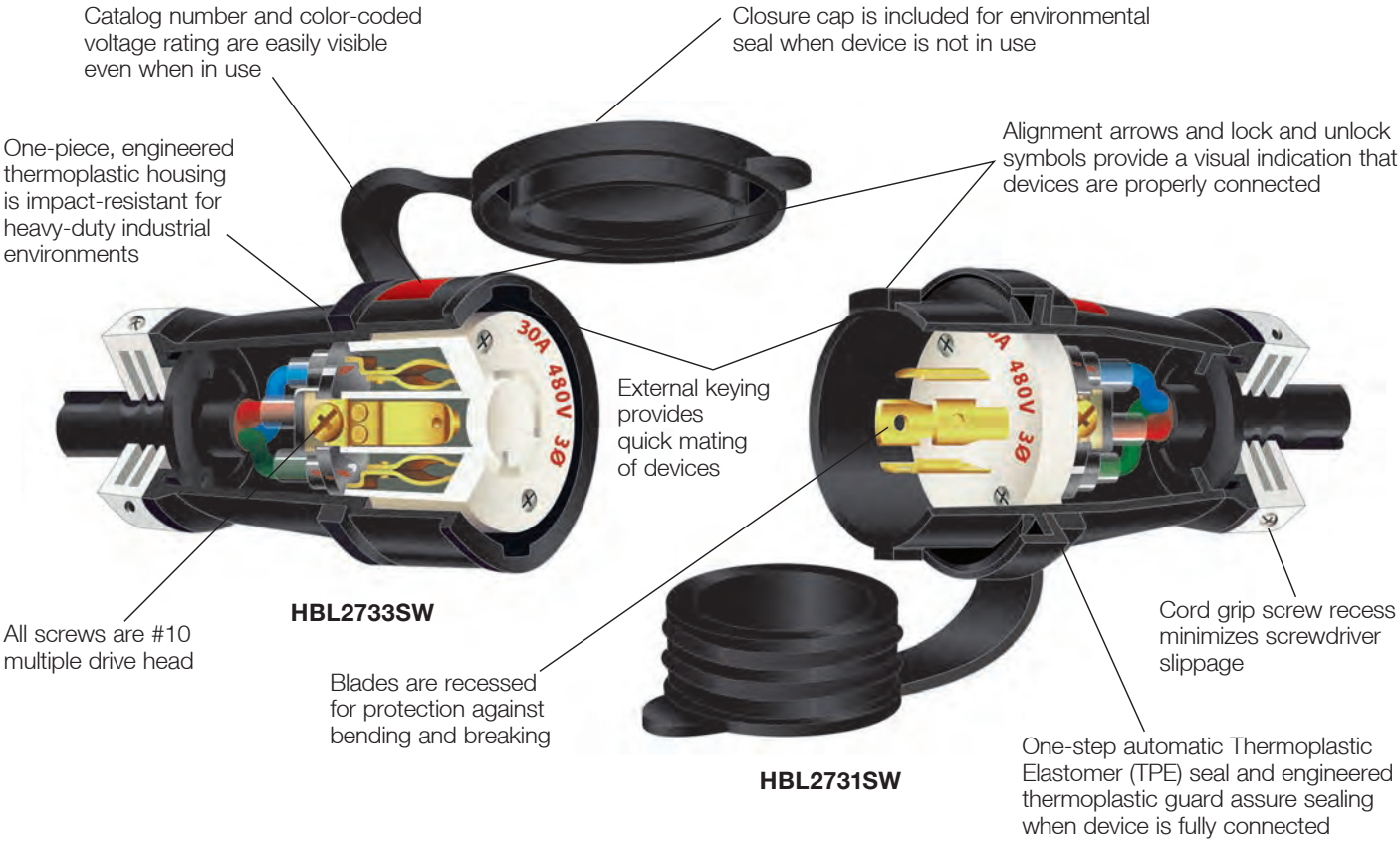
The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring “wraparound” clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.

Watertight Safety-Shroud® Twist-Lock® System

Features and Benefits



Note: Works with Mechanical Interlocks, see page B-39 for additional information.

TPE Gland Seal

Assorted glands accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO

Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy-duty industrial environments.
- Catalog number and color-coded voltage rating are easily visible when in use.
- Stainless Steel 302/304, #10 multiple drive head mounting screws provide corrosion resistance.
- Mounting screw recesses minimize screwdriver slippage.
- Lockout/tagout hole on inlets allow compliance to OSHA regulation 29 CFR 1910.147.
- TPE closure cap provided with inlets for environmental seal when not in use.
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices.

Spring-Loaded Cover

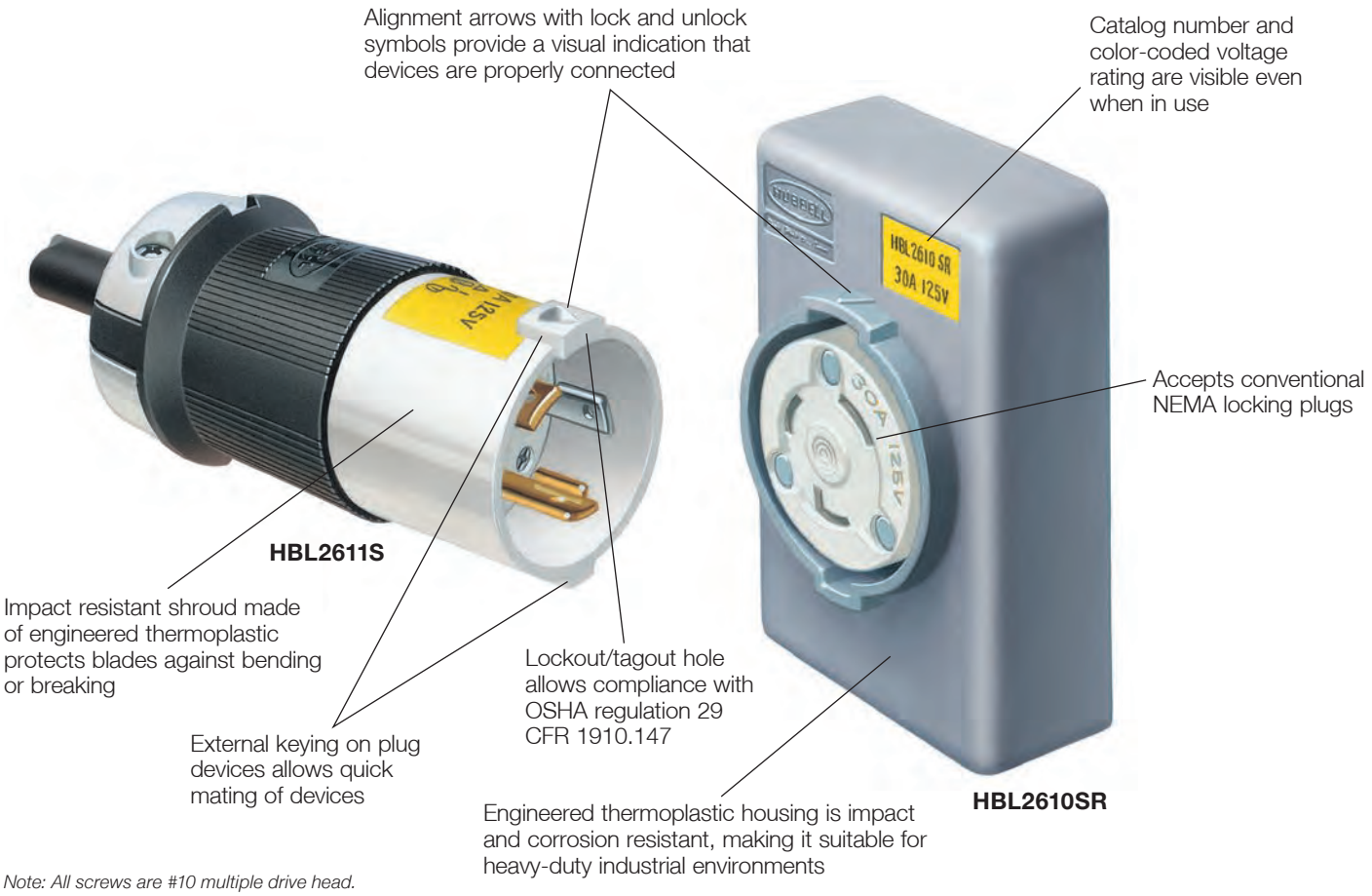
One-step push-to-close spring-loaded cover with latch allows for fast opening and closing of lift cover. Result: environmental sealing is assured

Safety-Shroud

- Virtually eliminates bent and broken plug blades, leading to longer equipment life.
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades.
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies.
- Reduces exposure to arcing when connecting or disconnecting plugs under load.
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts.
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147.
- Sealing gland and thermoplastic guard assure sealing when fully connected.

Safety-Shroud® Twist-Lock® System

Features and Benefits



Note: All screws are #10 multiple drive head.

Safety-Shroud® Plug Features and Benefits

- Mates with most NEMA locking connector bodies.
- Virtually eliminates bent and broken plug blades.
- Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices.
- Reduces exposure to arcing when connecting or disconnecting under load.
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades.
- Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts.
- Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147.
- Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load.

Safety-Shroud® Twist-Lock® Receptacles (Recommended Installations)

The Safety-Shroud Twist-Lock single gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock Receptacles.

The semi-flush receptacles install in (RACO type 242/255) boxes, with ½ raised 2-gang device mount covers (RACO type 778/841) and a 2-gang FD type box. Standard 4" and 4 11/16" square boxes 2⅛" deep.

Compatibility and Environmental Protection Chart

Watertight Safety-Shroud®, Safety-Shroud® and NEMA Devices

	Twist-Lock® Receptacles					Twist-Lock® Connector Bodies	
	Watertight Safety-Shroud	Watertight Safety-Shroud Mechanical Interlock Enclosure	Safety-Shroud	Switched Enclosure	NEMA	Watertight Safety-Shroud	Insulgrip
Twist-Lock® Plugs							
Watertight Safety-Shroud	YES Type 4X, Type 12	YES Type 4X, Type 12K	YES Type 1	NO	NO	YES Type 4X, Type 12	YES Type 1
Safety-Shroud	YES Type 1	YES Type 1	YES Type 1	NO	NO	YES Type 1	YES Type 1
Insulgrip	YES Type 1	NO	YES Type 1	YES Type 3R	YES Type 1	YES Type 1	YES Type 1
Twist-Lock® Inlets							
NEMA	NA	NA	NA	NA	NA	NO	YES Type 1
Watertight Safety-Shroud	NA	NA	NA	NA	NA	YES Type 4X, Type 12	YES Type 1

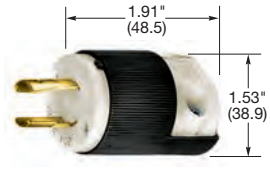
Type 1 *Indoor*
Type 3R *Raintight*
Type 4X *Hose-directed water and corrosion resistant*
Type 12 *Dust tight, drip-proof without knockouts*
Type 12K *Dust tight, drip-proof with knockouts*
YES *Interchangeable*
NO *Does not interchange*
NA *Not Applicable*

Note: See Technical section for full description of enclosure types.

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7102C**

Note: See page B-49 for accessories.

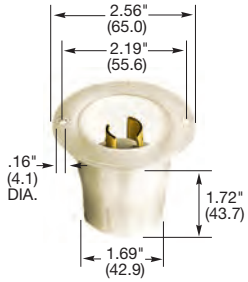


HBL7102C

Flanged Inlets

Description	Catalog Number
Nylon casing, back wired, polarized. Multiple drive screws.	**HBL8815C**

Note: See page B-48 for accessories.

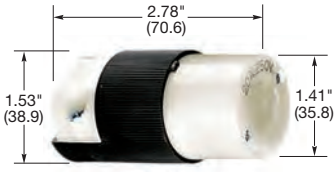


HBL8815C

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon. Multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7101C**

Note: See page B-49 for accessories.

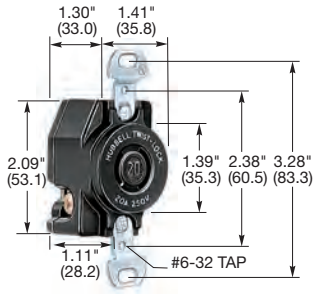


HBL7101C

Receptacles

Description	Catalog Number
Single, black phenolic.	**HBL7210B**
Single, mounted on 4" (101.6) round box cover, black phenolic.	**HBL7217B**

Note: See pages B-48 and B-49 for accessories.

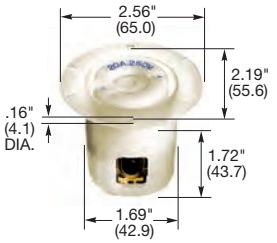


HBL7210B

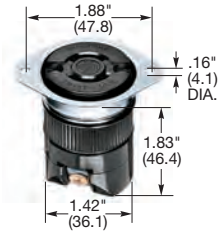
Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired. Multiple drive screws.	**HBL8809C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL3226**

Note: See pages B-48 and B-49 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.

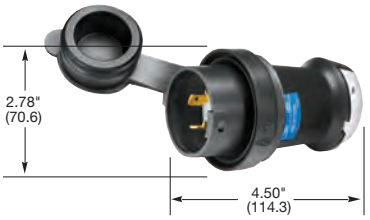


HBL8809C



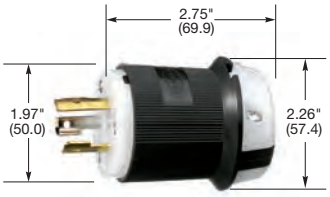
HBL3226

Dimensions in Inches (mm)

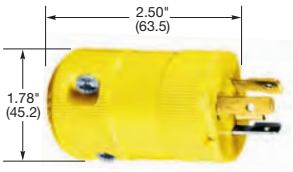


HBL2321SW

HBL2321S

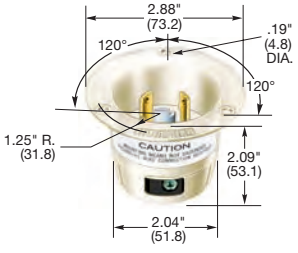


HBL2311



HBL2311VY

HBL2325SW



HBL2315

Dimensions in Inches (mm)

20A 125V
NEMA L5-20P
UL/CSA
1 HP

20A 250V
NEMA L6-20P
UL/CSA
2 HP

20A 277V AC
NEMA L7-20P
UL/CSA
2 HP

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	**HBL2311SW**	**HBL2321SW**	**HBL2331SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	**HBL2311S**	**HBL2321S**	**HBL2331S**

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2311**	**HBL2321**	**HBL2331**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL23CM11**	**HBL23CM21**	**–**
All black nylon.	.360"-.930" (9-24)	**HBL2311BK**	**HBL2321BK**	**–**
Cord clamps with removable nserts. All black nylon.	.360"-.930" (9-24)	**HBL2311EBK**	**HBL2321EBK**	**–**

Note: See page B-51 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	**HBL2311VY**	**HBL2321VY**	**HBL2331VY**
Corrosion resistant, yellow nylon.	.325"-.720" (8.26-18.3)	**HBL23CM11V**	**–**	**–**
Black nylon.	.325"-.720" (8.26-18.3)	**HBL2311VBK**	**HBL2321VBK**	**HBL2331VBK**

Note: See page B-51 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2315SW**	**HBL2325SW**	**HBL2335SW**
Gray Valox® housing and flange, reverse service (Not shown).	**–**	**HBL2325SWR**	**–**

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2315**	**HBL2325**	**HBL2335**

Note: See page B-50 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.
See page B-74 for technical information on Valise® plugs and connectors.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20A 125V
NEMA L5-20R
UL/CSA
1 HP

20A 250V
NEMA L6-20R
UL/CSA
2 HP

20A 277V AC
NEMA L7-20R
UL/CSA
2 HP

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	**HBL2313SW**	**HBL2323SW**	**HBL2333SW**

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2313**	**HBL2323**	**HBL2333**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL23CM13**	**HBL23CM23**	–
All black nylon.	.360"-.930" (9-24)	**HBL2313BK**	**HBL2323BK**	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	**HBL2313EBK**	**HBL2323EBK**	–

Note: See page B-51 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	**HBL2313VY**	**HBL2323VY**	–
Black nylon.	.325"-.720" (8.26-18.3)	**HBL2313VBK**	**HBL2323VBK**	**HBL2333VBK**

Note: See page B-51 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2310SW**	**HBL2320SW**	**HBL2330SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2310AR**	**HBL2320AR**	**HBL2330AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2310SR**	**HBL2320SR**	**HBL2330SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2310SR2**	**HBL2320SR2**	**HBL2330SR2**

Note: See page B-54 for accessories.

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2310**	**HBL2320**	**HBL2330**
Blue nylon face, back and side wired.	**HBL2310M7**	**HBL2320M4**	–
Isolated ground, orange nylon face, back and side wired.	**IG2310**	**IG2320**	–
Corrosion resistant, yellow nylon face, back and side wired.	**HBL23CM10**	–	–
Ring terminal connection.	**HBL2310RT**	**HBL2320RT**	–

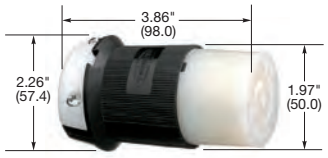
Note: See page B-50 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2316**	**HBL2326**	**HBL2336**

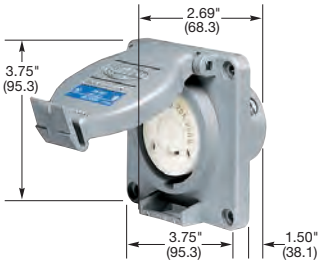
Note: See page B-50 for accessories.

HBL2323SW



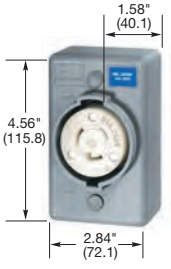
HBL2313

HBL2313VY



HBL2320SW

HBL2320AR

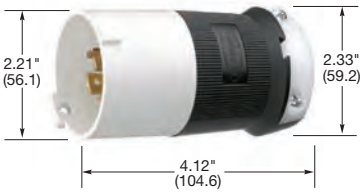


HBL2320SR

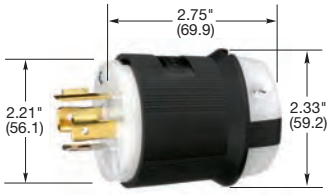
Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL2421SW



HBL2421S



HBL2411

HBL2425SW

HBL2415

20A 125/250V AC
NEMA L14-20P
UL/CSA
2 (1) HP

20A 3Ø 250V AC
NEMA L15-20P
UL/CSA
3 HP

20A 3Ø 480V AC
NEMA L16-20P
UL/CSA
5 HP

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2411SW**	**HBL2421SW**	**HBL2431SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2411S**	**HBL2421S**	**HBL2431S**

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2411**	**HBL2421**	**HBL2431**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL24CM11**	**HBL24CM21**	**HBL24CM31**
All black nylon.	.350"-1.150" (9-29)	**HBL2411BK**	–	–

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2415SW**	**HBL2425SW**	**HBL2435SW**

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2415**	**HBL2425**	**HBL2435**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP

20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

20A 3Ø 480V AC
NEMA L16-20R
UL/CSA
5 HP

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2413SW**	**HBL2423SW**	**HBL2433SW**

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2413**	**HBL2423**	**HBL2433**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL24CM13**	**HBL24CM23**	**HBL24CM33**
All black nylon.	.350"-1.150" (9-29)	**HBL2413BK**	–	–

Note: See page B-53 for accessories.

HBL2423SW

HBL2413

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2410SW**	**HBL2420SW**	**HBL2430SW**

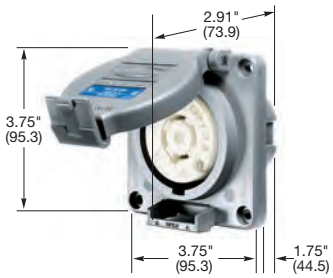
Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2410AR**	**HBL2420AR**	**HBL2430AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2410SR**	**HBL2420SR**	**HBL2430SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2410SR2**	**HBL2420SR2**	**HBL2430SR2**

Note: See page B-54 for accessories.



HBL2420SW

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2410**	**HBL2420**	**HBL2430**
Isolated ground, orange nylon face, back and side wired.	**IG2410**	**IG2420**	–
Ring terminal connection.	**HBL2410RT**	**HBL2420RT**	–

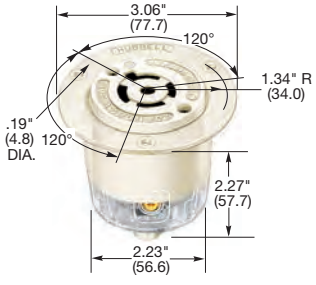
Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

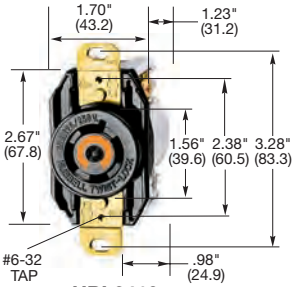
Description	Catalog Number		
Nylon casing, back wired.	**HBL2416**	**HBL2426**	**HBL2436**

Note: See page B-52 for accessories.

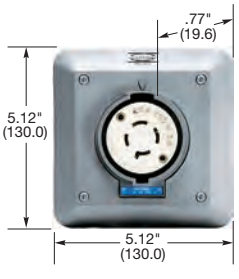
HBL2420AR



HBL2416



HBL2410

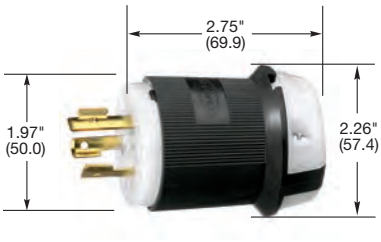


HBL2420SR2

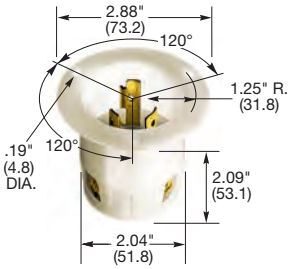
HBL2420SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

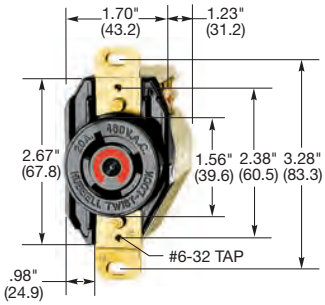


HBL2341

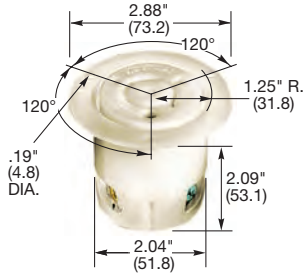


HBL2345

HBL2343



HBL2340



HBL2346

Plugs

Description	Cord Dia.	IP20 Suitability	20A 347V AC NEMA L24-20P UL/CSA	20A 480V AC NEMA L8-20P UL/CSA 3 HP	20A 600V AC NEMA L9-20P UL/CSA	20A 125/250V AC NEMA L10-20P UL/CSA 2 (1) HP
Black and white nylon.	.360"-.930" (9-24)		**HBL3721**	**HBL2341**	**HBL2351**	–
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)		–	–	–	**HBL2361**

Note: See page B-51 for accessories.

Flanged Inlets

Description	IP20 Suitability	20A 347V AC NEMA L24-20P UL/CSA	20A 480V AC NEMA L8-20P UL/CSA 3 HP	20A 600V AC NEMA L9-20P UL/CSA	20A 125/250V AC NEMA L10-20P UL/CSA 2 (1) HP
Nylon casing, back wired.		**HBL3725**	**HBL2345**	**HBL2355**	**HBL2365**

Note: See page B-50 for accessories.

Connector Bodies

Description	Cord Dia.	IP20 Suitability	20A 347V AC NEMA L24-20R UL/CSA	20A 480V AC NEMA L8-20R UL/CSA 3 HP	20A 600V AC NEMA L9-20R UL/CSA	20A 125/250V AC NEMA L10-20R UL/CSA 2 (1) HP
Black and white nylon.	.360"-.930" (9-24)		**HBL3723**	**HBL2343**	**HBL2353**	–
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)		–	–	–	**HBL2363**

Note: See page B-51 for accessories.

Single Flush Receptacles

Description	Catalog Number			
Black nylon face, back and side wired.	**HBL3720**	**HBL2340**	**HBL2350**	**HBL2360**
Watertight Safety-Shroud®, gray Valox® housing and flange, back and side wired, (Not shown).	–	**HBL2340SW**	–	–
Isolated ground, orange nylon face, back and side wired.	–	**IG2340**	–	–

Note: See page B-50 for accessories.

Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	**HBL3726**	**HBL2346**	**HBL2356**	**HBL2366**

Note: See page B-50 for accessories.
See page B-69 for technical information.
See page B-37 for switched enclosure.
See page B-40 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.

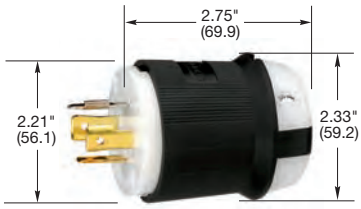
Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Plugs

Description	Cord Dia.	Catalog Number		
		IP20 SUITABILITY		
		20A 3ØY 120/208V AC NEMA L18-20P UL Listed 2 HP	**20A 3ØY 277/480V AC NEMA L19-20P** UL Listed 5 HP	**20A 3ØY 347/600V AC NEMA L20-20P** UL Listed
Black and white nylon.	.350"-1.150" (9-29)	**HBL2441**	**HBL2451**	**HBL2461**

Note: See page B-53 for accessories.

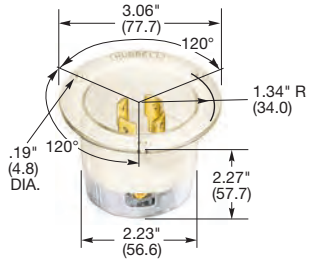


HBL2441

Flanged Inlets

Description	Catalog Number		
Nylon casing, back wired.	**HBL2445**	**HBL2455**	**HBL2465**

Note: See page B-52 for accessories.

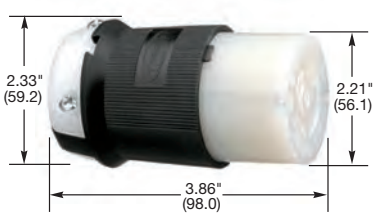


HBL2445

Connector Bodies

Description	Cord Dia.	Catalog Number		
		IP20 SUITABILITY		
		20A 3ØY 120/208V AC NEMA L18-20R UL Listed 2 HP	**20A 3ØY 277/480V AC NEMA L19-20R** UL Listed 5 HP	**20A 3ØY 347/600V AC NEMA L20-20R** UL Listed
Black and white nylon.	.350"-1.150" (9-29)	**HBL2443**	**HBL2453**	**HBL2463**

Note: See page B-53 for accessories.



HBL2443

Single Flush Receptacles

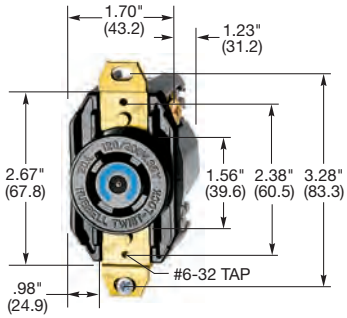
Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2440**	**HBL2450**	**HBL2460**

Note: See page B-52 for accessories.

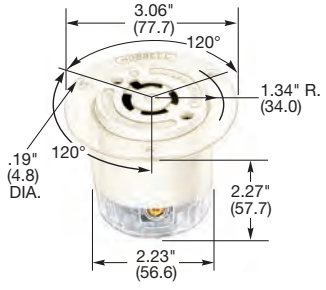
Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2446**	**HBL2456**	**HBL2466**

Note: See page B-52 for accessories.
See page B-69 for technical information.
See page B-37 for switched enclosure.
See page B-40 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.

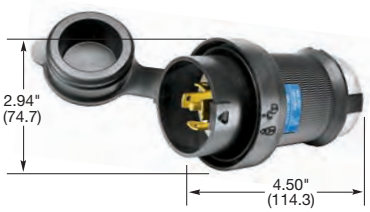


HBL2440

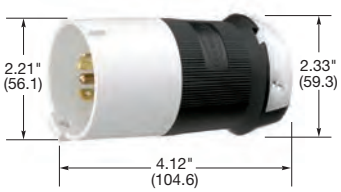


HBL2446

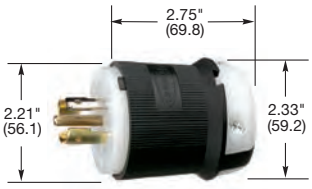
Dimensions in Inches (mm)



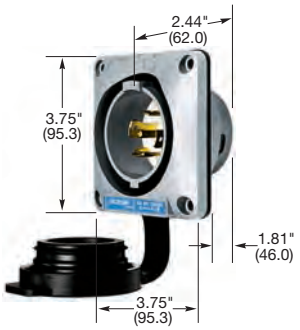
HBL2511SW



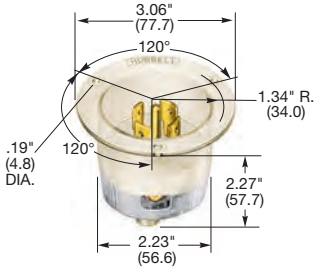
HBL2511S



HBL2511



HBL2515SW



HBL2515

20A 3ØY
120/208V AC
NEMA L21-20P
UL/CSA
2 HP

20A 3ØY
277/480V AC
NEMA L22-20P
UL/CSA
5 HP

20A 3ØY
347/600V AC
NEMA L23-20P
UL/CSA

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2511SW**	–	–

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2511S**	–	–

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2511**	**HBL2521**	**HBL2531**
All black nylon.	.350"-1.150" (9-29)	**HBL2511BK**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL25CM11**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2511FC**	–	–

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2515SW**	–	–

Note: See page B-52 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2515**	**HBL2525**	**HBL2535**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20A 3ØY
120/208V AC
NEMA L21-20R
UL/CSA
2 HP

20A 3ØY
277/480V AC
NEMA L22-20R
UL/CSA
5 HP

20A 3ØY
347/600V AC
NEMA L23-20R
UL/CSA

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

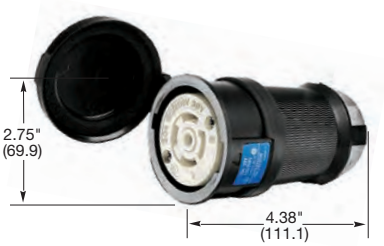
Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2513SW**	–	–

Insulgrip®

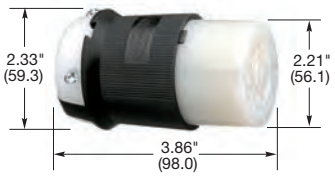
IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2513**	**HBL2523**	**HBL2533**
All black nylon.	.350"-1.150" (9-29)	**HBL2513BK**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL25CM13**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2513FC**	–	–

Note: See page B-53 for accessories.



HBL2513SW



HBL2513

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2510SW**	–	–

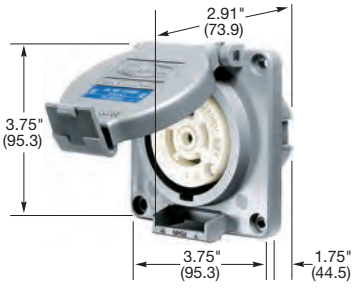
Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2510AR**	–	–
Gray Valox® surface mounting, one gang, back wired.	**HBL2510SR**	–	–
Gray Valox® semi-flush, two gang, back wired.	**HBL2510SR2**	–	–

Note: See page B-54 for accessories.



HBL2510SW

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2510**	**HBL2520***	**HBL2530***
Isolated ground, orange nylon face, back and side wired.	**IG2510**	–	–

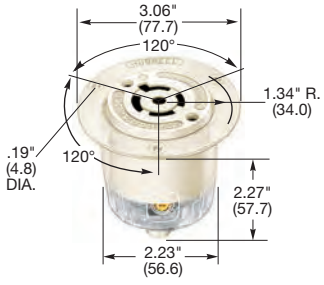
*Note: *Not Fed Spec.*
See page B-52 for accessories.

Insulgrip® Flanged Receptacles

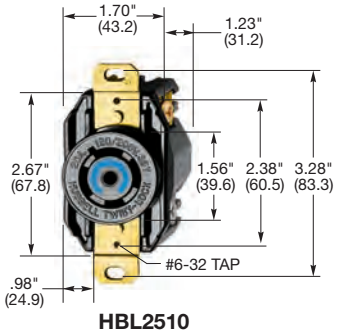
Description	Catalog Number		
Nylon casing, back wired.	**HBL2516**	**HBL2526**	**HBL2536**

Note: See page B-52 for accessories.

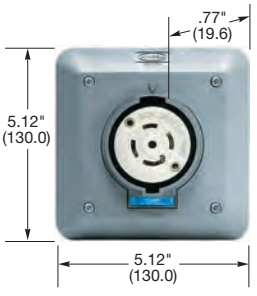
HBL2510AR



HBL2516



HBL2510

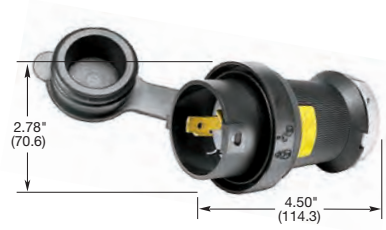


HBL2510SR2

HBL2510SR

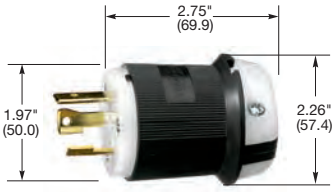
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

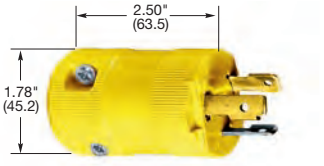


HBL2611SW

HBL2621S

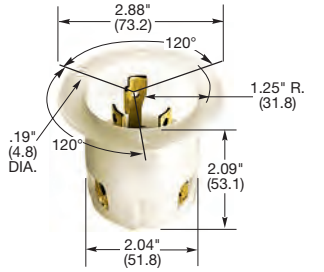


HBL2621



HBL2611VY

HBL2615SW



HBL2625

Dimensions in Inches (mm)

30A 125V
NEMA L5-30P
UL/CSA
2 HP

30A 250V
NEMA L6-30P
UL/CSA
2 HP

30A 277V AC
NEMA L7-30P
UL/CSA
3 HP

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.325"-.930" (9-24)	**HBL2611SW**	**HBL2621SW**	–

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	**HBL2611S**	**HBL2621S**	–

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2611**	**HBL2621**	**HBL2631**
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	**HBL2611F**	**HBL2621F**	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL26CM11**	**HBL26CM21**	–
All black nylon.	.360"-.930" (9-24)	**HBL2611BK**	**HBL2621BK**	–

Note: See page B-51 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	**HBL2611VY**	**HBL2621VY**	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	**HBL26CM11V**	–	–
Black nylon.	.590"-.930" (15.0-23.6)	**HBL2611VBK**	**HBL2621VBK**	–

Note: See page B-51 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2615SW**	**HBL2625SW**	–
Reverse service, gray Valox® housing and flange (use with HBL2613SR), (Not shown).	**HBL2615SWR**	–	–

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2615**	**HBL2625**	**HBL2635**
Heat stabilized, gray nylon, 220° F (104° C).	**HBL2615F**	**HBL2625F**	–
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	**HBL2615M3**	–	–

Note: See page B-50 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.
See page B-74 for technical information on Valise plugs and connectors.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30A 125V NEMA L5-30R UL/CSA 2 HP | **30A 250V NEMA L6-30R** UL/CSA 2 HP | **30A 277V AC NEMA L7-30R** UL/CSA 3 HP

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	**HBL2613SW**	**HBL2623SW**	–
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2615SWR), (Not shown).	.360"-.930" (9-24)	**HBL2613SR**	–	–

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2613**	**HBL2623**	**HBL2633**
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	**HBL2613F**	**HBL2623F**	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL26CM13**	**HBL26CM23**	–
All black nylon.	.360"-.930" (9-24)	**HBL2613BK**	**HBL2623BK**	–

Note: See page B-51 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	**HBL2613VY**	**HBL2623VY**	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	**HBL26CM13V**	–	–
Black nylon.	.590"-.930" (15.0-23.6)	**HBL2613VBK**	**HBL2623VBK**	–

Note: See page B-51 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2610SW**	**HBL2620SW**	–

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2610AR**	**HBL2620AR**	–
Gray Valox® surface mounting, one gang, back wired.	**HBL2610SR**	**HBL2620SR**	–
Gray Valox® semi-flush, two gang, back wired.	**HBL2610SR2**	**HBL2620SR2**	–

Note: See page B-54 for accessories.

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2610**	**HBL2620**	**HBL2630**
Blue nylon face, back and side wired.	**HBL2610M6**	**HBL2620M6**	–
Isolated ground, orange nylon face, back and side wired.	**IG2610**	**IG2620**	–
Corrosion resistant, yellow nylon face, back and side wired.	**HBL26CM10**	**HBL26CM20**	–
Ring terminal connection.	**HBL2610RT**	**HBL2620RT**	–

Note: See page B-50 for accessories.

Insulgrip® Flanged Receptacles

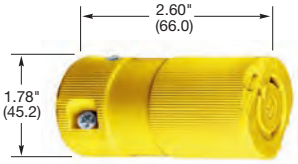
Description	Catalog Number		
Nylon casing, back wired.	**HBL2616**	**HBL2626**	**HBL2636**
Heat stabilized, gray nylon, 220° F (104° C).	**HBL2616F**	**HBL2626F**	–

Note: See page B-50 for accessories.

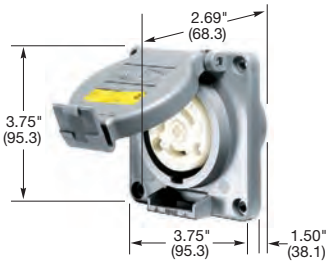
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL2613SW

HBL2623

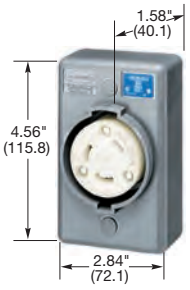


HBL2613VY



HBL2610SW

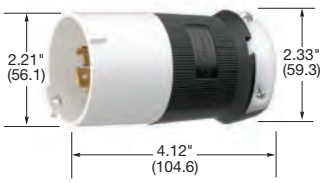
HBL2620AR



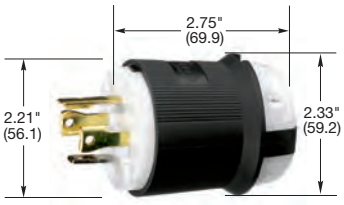
HBL2620SR

Dimensions in Inches (mm)

HBL2711SW

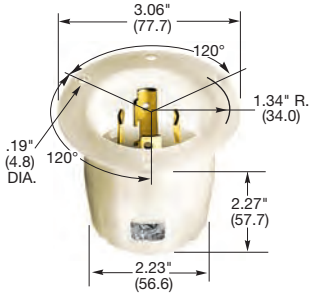


HBL2711S

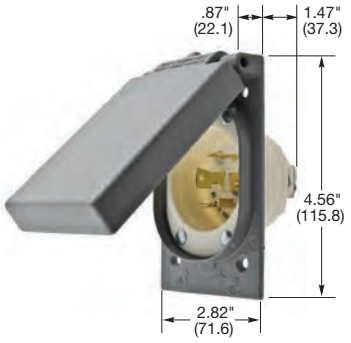


HBL2711

HBL2715SW



HBL2715



HBL2715M3

30A 125/250V AC
NEMA L10-30P
UL/CSA

30A 125/250V AC
NEMA L14-30P
UL/CSA
2 (2) HP

30A 3Ø 250V AC
NEMA L15-30P
UL/CSA
3 HP

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	–	**HBL2711SW**	**HBL2721SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	–	**HBL2711S**	**HBL2721S**

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	–	**HBL2711**	**HBL2721**
Black and white nylon, (Not shown).	.300"-.950" (7.6-24.1)	**HBL2661**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	–	**HBL27CM11**	**HBL27CM21**
All black nylon.	.350"-1.150" (9-29)	–	**HBL2711BK**	–

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	–	**HBL2715SW**	**HBL2725SW**
Reverse service, gray Valox® housing and flange (use with HBL2713SR), (Not shown).	–	**HBL2715SWR**	–

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	–	**HBL2715**	**HBL2725**
Nylon casing, back wired, (Not shown).	**HBL2665**	–	–
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	–	**HBL2715M3**	–

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page B-39.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30A 125/250V AC
NEMA L10-30R
UL/CSA

30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP

30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	–	**HBL2713SW**	**HBL2723SW**
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2715SWR), (Not shown).	.350"-1.150" (9-29)	–	**HBL2713SR**	–

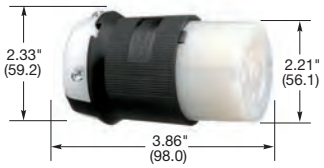
Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)		**HBL2713**	**HBL2723**
Black and white nylon, (Not shown).	.300"-.950" (7.6-24.1)	**HBL2663**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	–	**HBL27CM13**	**HBL27CM23**
All black nylon.	.350"-1.150" (9-29)	–	**HBL2713BK**	–

Note: See page B-53 for accessories.

HBL2713SW



HBL2713

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	–	**HBL2710SW**	**HBL2720SW**

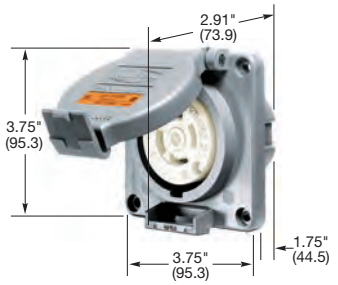
Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	–	**HBL2710AR**	**HBL2720AR**
Gray Valox® surface mounting, one gang, back wired.	–	**HBL2710SR**	**HBL2720SR**
Gray Valox® semi-flush, two gang, back wired.	–	**HBL2710SR2**	**HBL2720SR2**

Note: See page B-54 for accessories.



HBL2710SW

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	–	**HBL2710**	**HBL2720**
Black nylon face, back and side wired, (Not shown).	**HBL2660**	–	–
Isolated ground, orange nylon face, back and side wired.	–	**IG2710**	**IG2720**
Ring terminal connection.	–	**HBL2710RT**	**HBL2720RT**

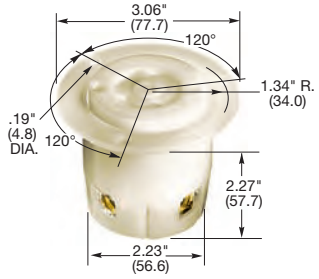
Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

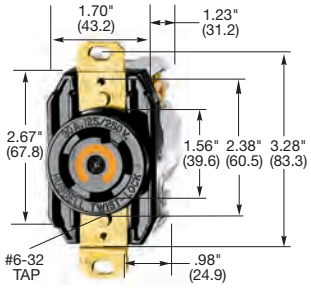
Description	Catalog Number		
Nylon casing, back wired.	–	**HBL2716**	**HBL2726**

Note: See page B-52 for accessories.

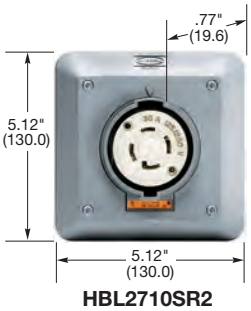
HBL2710AR



HBL2716



HBL2710



HBL2710SR2

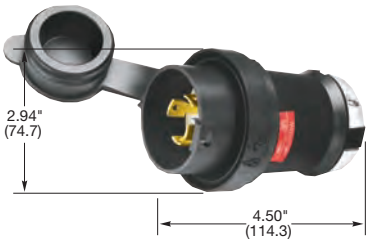
HBL2710SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

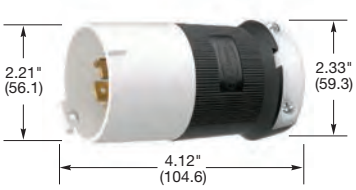
Dimensions in Inches (mm)

30A 3Ø 480V AC
NEMA L16-30P
UL/CSA
10 HP

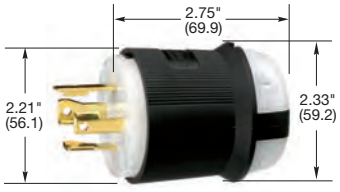
30A 3Ø 600V AC
NEMA L17-30P
UL/CSA



HBL2731SW



HBL2731S



HBL2731

HBL2735SW

HBL2735

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2731SW**	**HBL2741SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2731S**	**HBL2741S**

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL2731**	**HBL2741**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL27CM31**	**HBL27CM41**

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number	
Gray Valox® housing and flange.	**HBL2735SW**	**HBL2745SW**

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number	
Nylon casing, back wired.	**HBL2735**	**HBL2745**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30A 3Ø 480V AC
NEMA L16-30R
UL/CSA
10 HP

30A 3Ø 600V AC
NEMA L17-30R
UL/CSA

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY UL Type 4x, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2733SW**	**HBL2743SW**

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL2733**	**HBL2743**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL27CM33**	**HBL27CM43**

Note: See page B-53 for accessories.

HBL2733SW

HBL2733

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY UL Type 4x, 12

Description	Catalog Number	
Gray Valox® housing and flange, back wired.	**HBL2730SW**	**HBL2740SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number	
Gray Valox® angle housing, one gang, back wired.	**HBL2730AR**	**HBL2740AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2730SR**	**HBL2740SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2730SR2**	**HBL2740SR2**

Note: See page B-54 for accessories.

Single Flush Receptacles

IP20 SUITABILITY

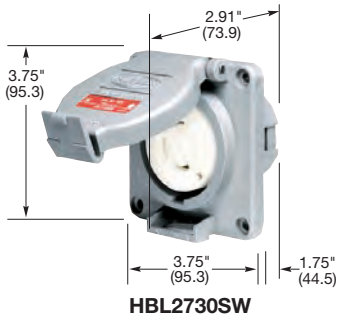
Description	Catalog Number	
Black nylon face, back and side wired.	**HBL2730**	**HBL2740**

Note: See page B-52 for accessories.

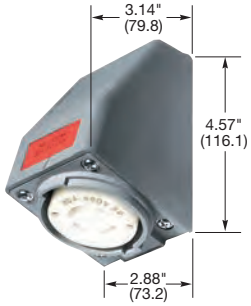
Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL2736**	**HBL2746**

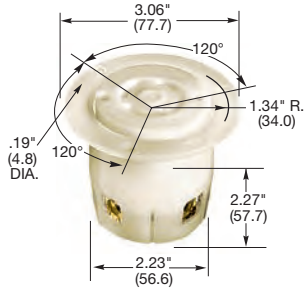
Note: See page B-52 for accessories.



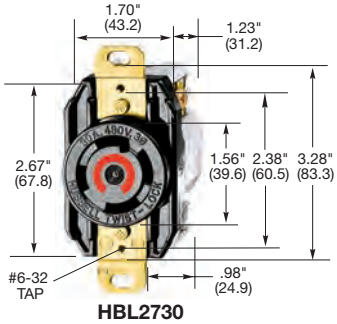
HBL2730SW



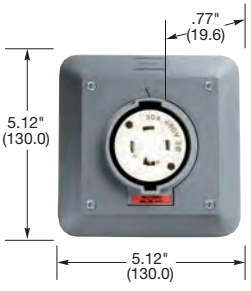
HBL2730AR



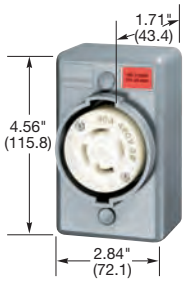
HBL2736



HBL2730



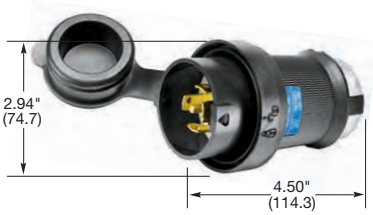
HBL2730SR2



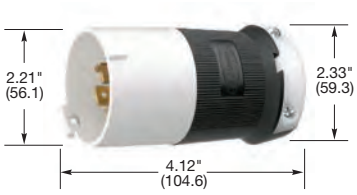
HBL2730SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

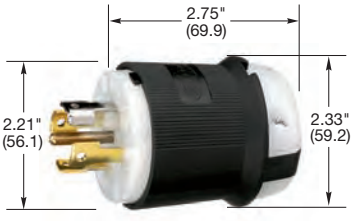
Dimensions in Inches (mm)



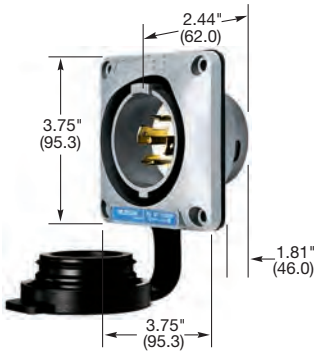
HBL2811SW



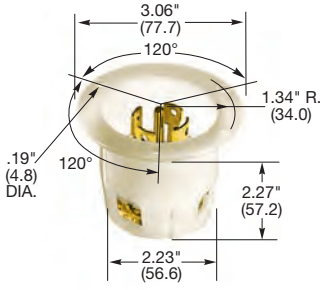
HBL2811S



HBL2811



HBL2815SW



HBL2815

30A 3ØY
120/208V AC
NEMA L21-30P
UL/CSA
3 HP

30A 3ØY
277/480V AC
NEMA L22-30P
UL/CSA
10 HP

30A 3ØY
347/600V AC
NEMA L23-30P
UL/CSA

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2811SW**	**HBL2821SW**	**HBL2831SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2811S**	–	–

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2811**	**HBL2821**	**HBL2831**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL28CM11**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2811FC**	–	–
All black nylon.	.350"-1.150" (9-29)	**HBL2811BK**	–	–

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2815SW**	–	–

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2815**	**HBL2825**	**HBL2835**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30A 3ØY
120/208V AC
NEMA L21-30R
UL/CSA
3 HP

30A 3ØY
277/480V AC
NEMA L22-30R
UL/CSA
10 HP

30A 3ØY
347/600V AC
NEMA L23-30R
UL/CSA

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2813SW**	**HBL2823SW**	–

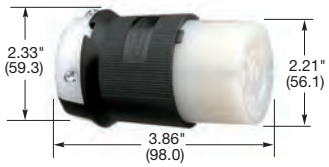
Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2813**	**HBL2823**	**HBL2833**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL28CM13**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2813FC**	–	–
All black nylon.	.350"-1.150" (9-29)	**HBL2813BK**	–	–

Note: See page B-53 for accessories.

HBL2813SW



HBL2813

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2810SW**	**HBL2820SW**	**HBL2830SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2810AR**	–	–
Gray Valox® surface mounting, one gang, back wired.	**HBL2810SR**	–	–
Gray Valox® semi-flush, two gang, back wired.	**HBL2810SR2**	–	–

Note: See page B-54 for accessories.

Single Flush Receptacles

IP20 SUITABILITY

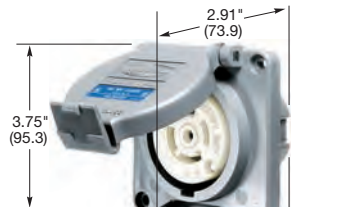
Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2810**	**HBL2820**	**HBL2830**
Isolated ground, orange nylon face, back and side wired.	**IG2810**	–	–
Ring terminal connection.	**HBL2810RT**	–	–

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

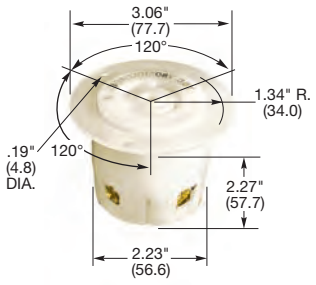
Description	Catalog Number		
Nylon casing, back wired.	**HBL2816**	**HBL2826**	**HBL2836**

Note: See page B-52 for accessories.

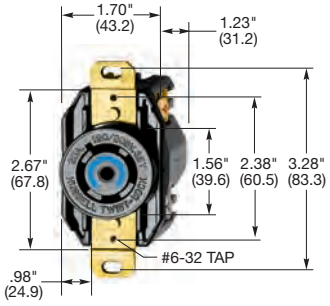


HBL2810SW

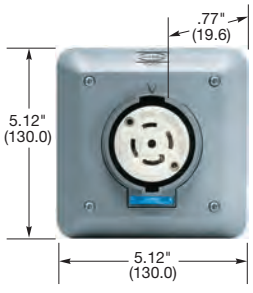
HBL2810AR



HBL2816



HBL2810

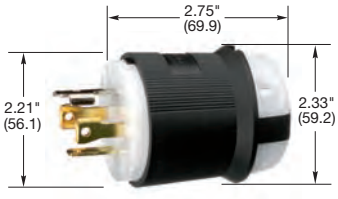


HBL2810SR2

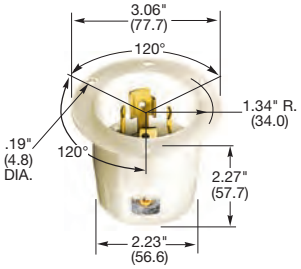
HBL2810SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

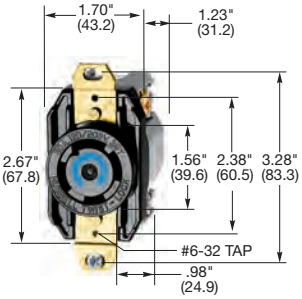


HBL2751

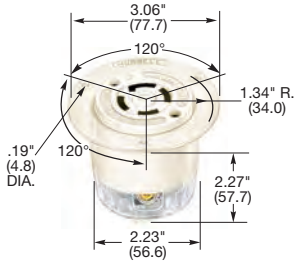


HBL2755

HBL2753



HBL2750



HBL2756

Plugs

IP20
SUITABILITY

30A 3ØY
120/208V AC
NEMA L18-30P
UL Listed
3 HP

30A 3ØY
277/480V AC
NEMA L19-30P
UL Listed
10 HP

30A 3ØY
347/600V AC
NEMA L20-30P
UL Listed

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2751**	**HBL2761**	**HBL2771**

Note: See page B-53 for accessories.

Flanged Inlets

Description		Catalog Number		
Nylon casing, back wired.		**HBL2755**	**HBL2765**	**HBL2775**

Note: See page B-52 for accessories.

Connector Bodies

IP20
SUITABILITY

30A 3ØY
120/208V AC
NEMA L18-30R
UL Listed
3 HP

30A 3ØY
277/480V AC
NEMA L19-30R
UL Listed
10 HP

30A 3ØY
347/600V AC
NEMA L20-30R
UL Listed

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2753**	**HBL2763**	**HBL2773**

Note: See page B-53 for accessories.

Single Flush Receptacles

Description		Catalog Number		
Black nylon face, back and side wired.		**HBL2750**	**HBL2760**	**HBL2770**

Note: See page B-52 for accessories.

Flanged Receptacles

Description		Catalog Number		
Nylon casing, back wired.		**HBL2756**	**HBL2766**	**HBL2776**

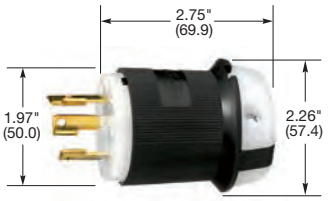
Note: See page B-52 for accessories.
See page B-69 for technical information on Twist-Lock devices.

Dimensions in Inches (mm)

Plugs

Description	Cord Dia.	Catalog Number	
		IP20 SUITABILITY	
		30A 480V AC NEMA L8-30P UL/CSA 5 HP	30A 600V AC NEMA L9-30P UL/CSA
Black and white nylon.	.325"-.930" (8.25-24)	**HBL2641**	**HBL2651**

Note: See page B-51 for accessories.

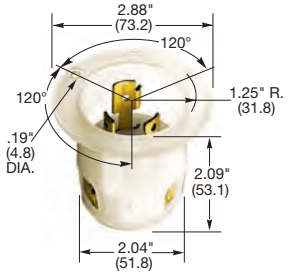


HBL2651

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	**HBL2645**	**HBL2655**

Note: See page B-50 for accessories.



HBL2655

Connector Bodies

Description	Cord Dia.	Catalog Number	
		IP20 SUITABILITY	
		30A 480V AC NEMA L8-30R UL/CSA 5 HP	30A 600V AC NEMA L9-30R UL/CSA
Black and white nylon.	.325"-.930" (8.25-24)	**HBL2643**	**HBL2653**

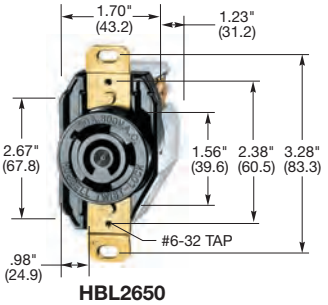
Note: See page B-51 for accessories.

HBL2653

Single Flush Receptacles

Description	Catalog Number	
Black nylon face, back and side wired.	**HBL2640**	**HBL2650**

Note: See page B-50 for accessories.

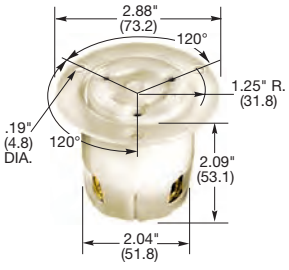


HBL2650

Flanged Receptacles

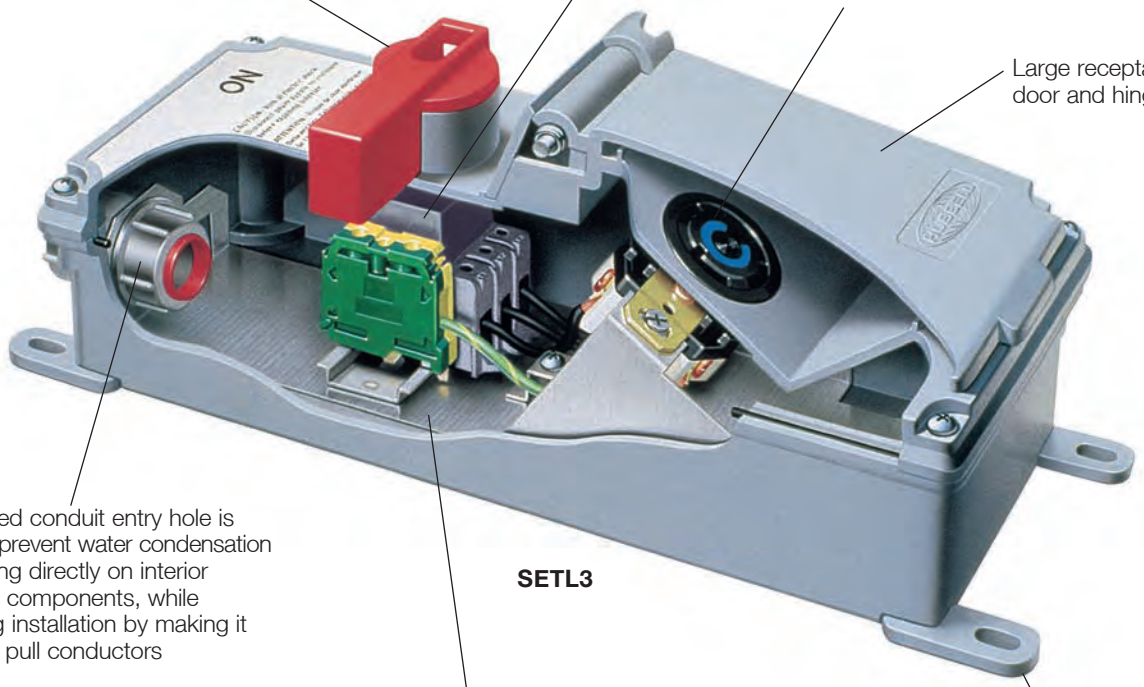
Description	Catalog Number	
Nylon casing, back wired.	**HBL2646**	**HBL2656**

Note: See page B-50 for accessories.
See page B-69 for technical information on Twist-Lock devices.



HBL2656

Dimensions in Inches (mm)



The Switched Twist-Lock® and Hubbellock® Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K Dust-tight requirements. The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the off position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.

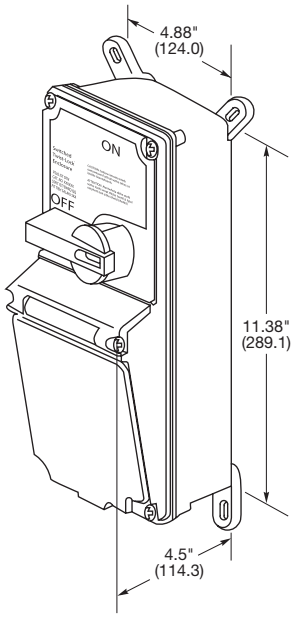
UL Listed, CSA Certified
Type 3R and 12K Enclosure Rating

IP54
SUITABILITY

Switched Enclosure Ready for Twist-Lock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

Description	Ratings	Catalog Number
Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected.	**SETL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**



SETL3

Switched Enclosure Complete with Twist-Lock® Receptacle

Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

Description	Amps	Voltage	NEMA Config.	Horsepower	Switched Enclosure	Use Twist-Lock Plug
Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle.	30	3Ø 240V AC	L15-30R	3	**SE2720A**	**HBL2721**
Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle.	30	3Ø 480V AC	L16-30R	10	**SE2730A**	**HBL2731**

SE2720A

Switched Enclosure Ready for Hubbellock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

Description	Ratings	Catalog Number
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected.	**SEHBL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

HBLAC1

HBLAC2

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**[Δ]

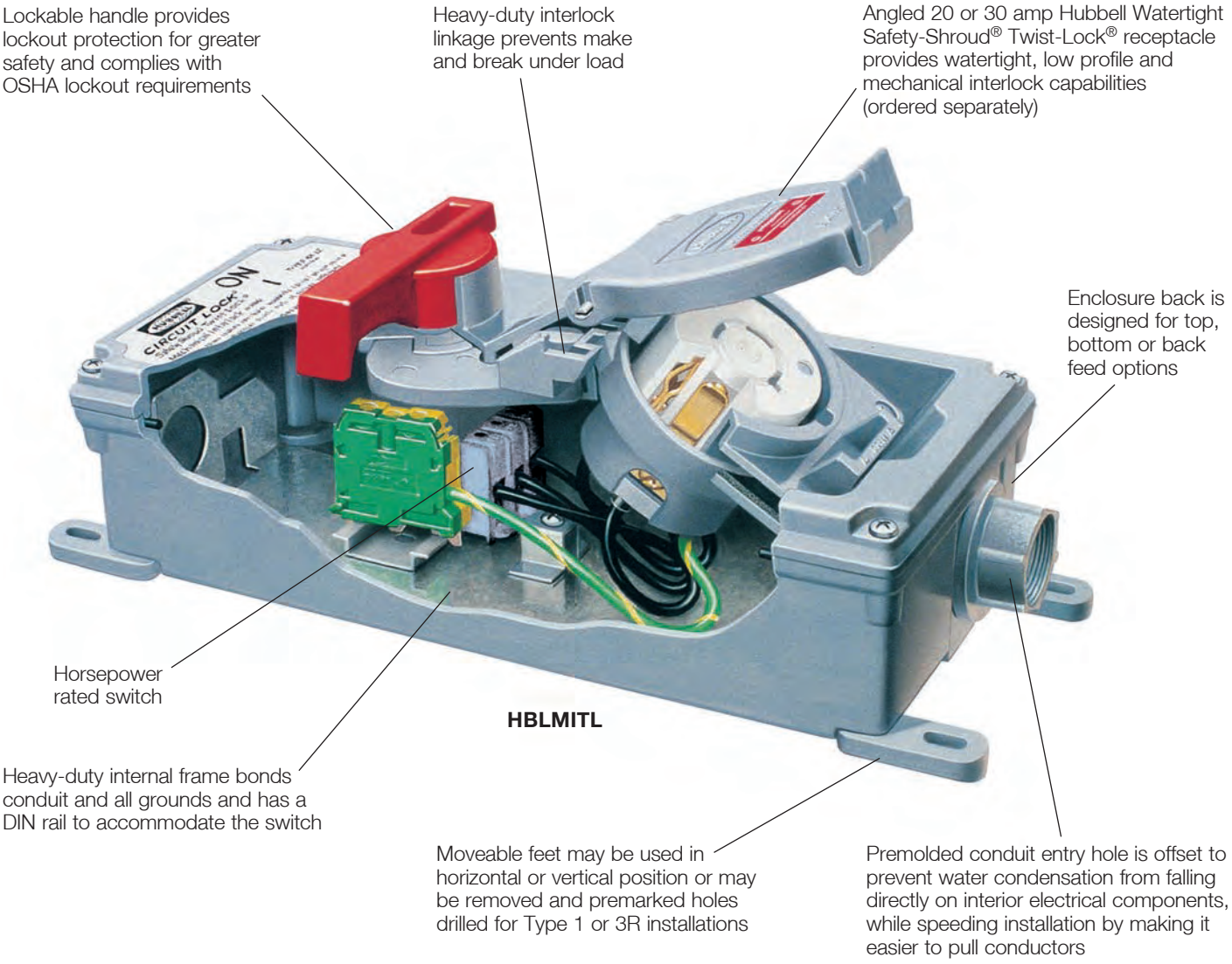
Note: [Δ] *Package of 10 feet and 10 screws.*
For technical information see page B-72.

HBLRFT1

Dimensions in Inches (mm)

Mechanical Interlock Switched Safety Enclosures

Circuit-Lock® Unfused Safety-Shroud® Twist-Lock®



Hubbell offers the only mechanical interlock for Twist-Lock®. This new, unfused mechanical interlock for watertight Safety-Shroud® Twist-Lock® integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or “lazy” connection.

The switch cannot be turned “ON” until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned “OFF.” All these protective features are included in a compact Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.

Mechanical Interlock Switched Safety Enclosures

Circuit-Lock® Unfused Safety-Shroud® Twist-Lock®

UL Listed, CSA Certified TYPE 4, 4X and TYPE 12K Enclosure Rating

IP66
SUITABILITY

Mechanical Interlock Ready for Twist-Lock® Receptacle Addition

This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud Twist-Lock Receptacle.

Description	Ratings	Catalog Number
Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles.	Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud Twist-Lock selected. Supplied with ¾" NPT Hub.	**HBLMITL**

Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles:

Rating	Voltage AC	NEMA Config.	Max. HP Rating*	Receptacle Catalog Number	Use Watertight Safety-Shroud Twist-Lock Plug
20A					
2 Pole, 3 Wire	120	L5-20	1	**HBL2310SW**	**HBL2311SW**
	208-240	L6-20	2.5	**HBL2320SW**	**HBL2321SW**
	277	L7-20	3	**HBL2330SW**	**HBL2331SW**
3 Pole, 4 Wire	120/240	L14-20	2.5	**HBL2410SW**	**HBL2411SW**
	240 3Ø	L15-20	5 (3@208V)	**HBL2420SW**	**HBL2421SW**
	480 3Ø	L16-20	10	**HBL2430SW**	**HBL2431SW**
4 Pole, 5 Wire	120/208 3ØY	L21-20	3	**HBL2510SW**	**HBL2511SW**
30A					
2 Pole, 3 Wire	120	L5-30	1	**HBL2610SW**	**HBL2611SW**
	208-240	L6-30	3	**HBL2620SW**	**HBL2621SW**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2710SW**	**HBL2711SW**
	240 3Ø	L15-30	7.5	**HBL2720SW**	**HBL2721SW**
	480 3Ø	L16-30	15	**HBL2730SW**	**HBL2731SW**
	600 3Ø	L17-30	15	**HBL2740SW**	**HBL2741SW**
4 Pole, 5 Wire	120/208 3ØY	L21-30	7.5	**HBL2810SW**	**HBL2811SW**
	277/480	L22-30	7.5	**HBL2820SW**	**HBL2821SW**
	347/600	L23-30	7.5	**HBL2830SW**	**HBL2831SW**
30A Reverse Service					
2 Pole, 3 Wire	120	L5-30	1	**HBL2615SWR**	**HBL2613SR**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2715SWR**	**HBL2713SR**
3 Pole, 4 Wire	240 3Ø	L15-30	7.5	**HBL2725SWR**	**HBL2723SR**

Auxiliary Contacts

Description	Ratings	Catalog Number
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

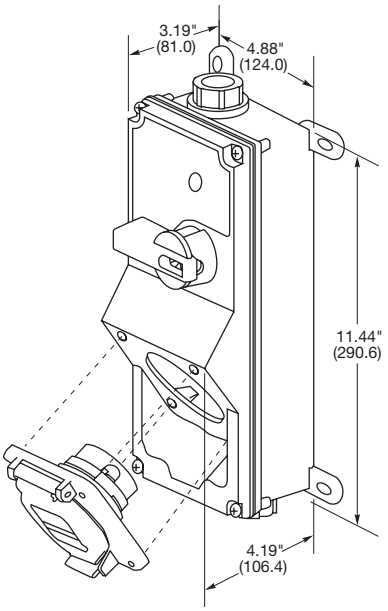
Replacement Parts

Description	Catalog Number
Ground block.	**HBL30RGB**
Neutral block.	**HBL30RNB**
Replacement switch.	**HBLDS3RS**

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**[Δ]

*Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.*
ΔPackage of 10 feet and 10 screws.
See pages B-52 and B-53 for accessories.
See page B-73 for technical information.



HBLMITL

HBL2620SW

HBL2713SR

HBLAC1

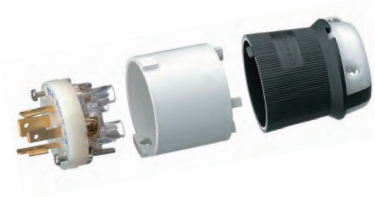
HBLAC2

HBL30RGB

HBL30RNB

HBLRFT1

Dimensions in Inches (mm)



Safety-Shroud® Twist-Lock® – 20 and 30 Ampere

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

HBLSS3

Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 2 Pole 3 Wire Grounding	125V	L5-20	**HBL2311**	**HBLSS3**
	250V	L6-20	**HBL2321**	**HBLSS3**
	277V AC	L7-20	**HBL2331**	**HBLSS3**
	480V AC	L8-20	**HBL2341**	**HBLSS3**
	600V AC	L9-20	**HBL2351**	**HBLSS3**
30A, 2 Pole 3 Wire Grounding	125V	L5-30	**HBL2611**	**HBLSS3**
	250V	L6-30	**HBL2621**	**HBLSS3**
	277V AC	L7-30	**HBL2631**	**HBLSS3**
	480V AC	L8-30	**HBL2641**	**HBLSS3**
	600V AC	L9-30	**HBL2651**	**HBLSS3**

HBLSS45

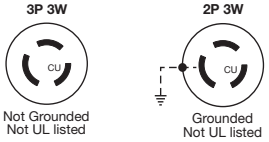
Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 3 Pole 4 Wire Grounding	125/250V AC	L14-20	**HBL2411**	**HBLSS45**
	3Ø250V AC	L15-20	**HBL2421**	**HBLSS45**
	3Ø480V AC	L16-20	**HBL2431**	**HBLSS45**
30A, 3 Pole 4 Wire Grounding	125/250V AC	L14-30	**HBL2711**	**HBLSS45**
	3Ø250V AC	L15-30	**HBL2721**	**HBLSS45**
	3Ø480V AC	L16-30	**HBL2731**	**HBLSS45**
	3Ø600V AC	L17-30	**HBL2741**	**HBLSS45**
20A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-20	**HBL2511**	**HBLSS45**
	3ØY 277/480V AC	L22-20	**HBL2521**	**HBLSS45**
	3ØY 347/600V AC	L23-20	**HBL2531**	**HBLSS45**
30A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-30	**HBL2811**	**HBLSS45**
	3ØY 277/480V AC	L22-30	**HBL2821**	**HBLSS45**
	3ØY 347/600V AC	L23-30	**HBL2831**	**HBLSS45**

For Replacement Use Only

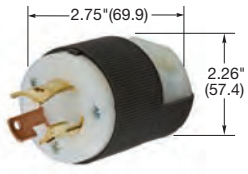
IP20
SUITABILITY



Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567C**	–
Yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567CY**	–

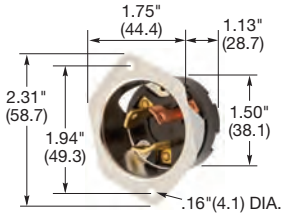
Note: See page B-49 for accessories.



HBL7567C

Flanged Inlets

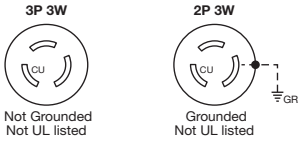
Description	Catalog Number	
Stainless steel casing.	**HBL7556**	**HBL7556G**



HBL7556

For Replacement Use Only

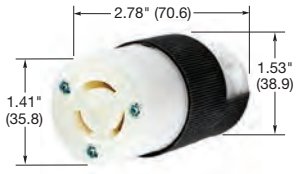
IP20
SUITABILITY



Connector Bodies

Description	Cord Dia.	Catalog Number	
Insulgrip connector, black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565C**	–
Insulgrip connector, yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565CY**	–
Black phenolic.	.296"-.625" (7.5-15.9)	**HBL7555**	**HBL7555G**

Note: See page B-49 for accessories.

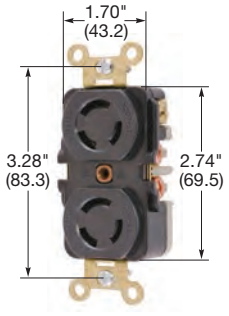


HBL7565C

Receptacles

Description	Catalog Number	
Duplex, black RTP*, back and side wired.	**HBL7580**	**HBL7580G**
Single, black phenolic, back and side wired.	**HBL7582**	**HBL7582G**

Note: See page B-48 for accessories.

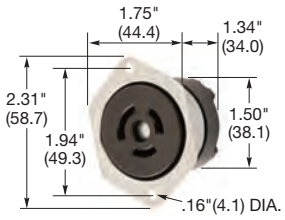


HBL7580

Flanged Receptacles

Description	Catalog Number	
Stainless steel casing.	**HBL7557**	**HBL7557G**

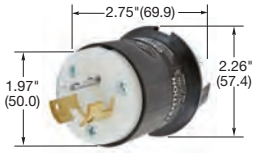
Note: See page B-49 for accessories.
**RTP is an abbreviation for reinforced thermoplastic.*
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7557

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

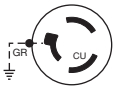
Dimensions in Inches (mm)



HBL9965C

For Replacement Use Only

IP20
SUITABILITY



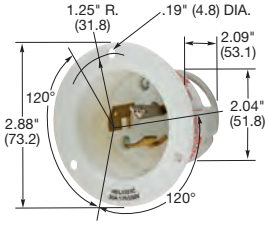
2P 3W
20A 250V
Non-NEMA
Not UL Listed

3P 3W
20A 125/250V
Non-NEMA
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL9965GCB**	**HBL9965C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	–	**HBL99CM65C**

Note: See page B-51 for accessories.

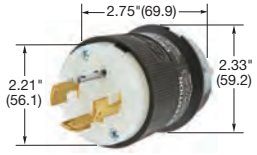


HBL3325C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3325C**

Note: See page B-50 for accessories.



HBL7411C

For Replacement Use Only

IP20
SUITABILITY

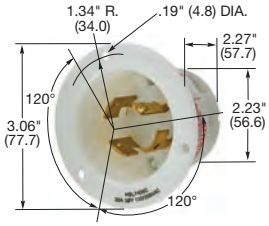
3P 4W
20A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W
20A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL7411GCB**	**HBL7411C**

Note: See page B-53 for accessories.



HBL7408C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL7408C**

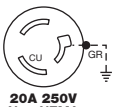
Note: See page B-52 for accessories.
See page B-69 for technical information.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

For Replacement Use Only

IP20
SUITABILITY

2P 3W


20A 250V
Non-NEMA
Not UL Listed

3P 3W

20A 125/250V
Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL7314GCB**	**HBL7314C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	–	**HBL73CM14C**

Note: See page B-51 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black nylon face, back wired.	**HBL7310BG**	**HBL7310B**

Note: See page B-50 for accessories.

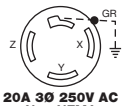
Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3326C**

Note: See page B-50 for accessories.

For Replacement Use Only

IP20
SUITABILITY

3P 4W


20A 3Ø 250V AC
Non-NEMA
Not UL Listed

4P 4W

20A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL7413GCB**	**HBL7413C**

Note: See page B-53 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	**HBL7410BG**	**HBL7410B**
Mounted on a 4" (101.6) round metal cover.	–	**HBL7417B**

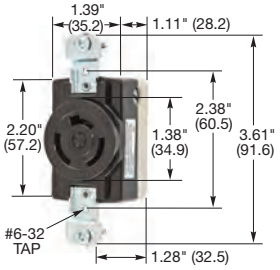
Note: See page B-52 for accessories.

Flanged Receptacles

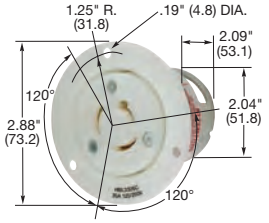
Description	Catalog Number	
Nylon casing, back wired.	–	**HBL7409C**

Note: See page B-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

HBL7314C

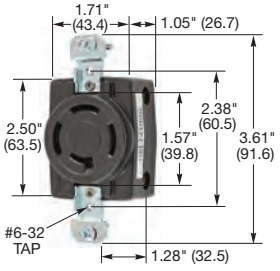


HBL7310B

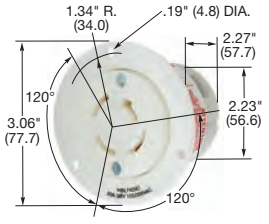


HBL3326C

HBL7413GCB



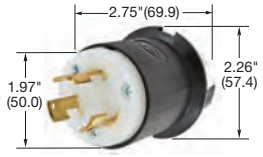
HBL7410BG



HBL7409C

Dimensions in Inches (mm)

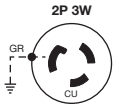
CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.



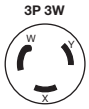
HBL3331GC

For Replacement Use Only

IP20
SUITABILITY



30A 250V
Non-NEMA
Not UL listed

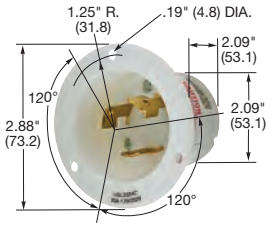


30A 125/250V
Non-NEMA
Not UL Listed

Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL3331GC**	**HBL3331C**

Note: See page B-51 for accessories.



HBL3334C

Insulgrip® Flanged Inlets

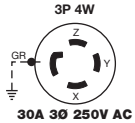
Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3334C**

Note: See page B-50 for accessories.

HBL3431C

For Replacement Use Only

IP20
SUITABILITY



30A 3Ø 250V AC
Non-NEMA
Not UL Listed

Non-NEMA
30A 3Ø Y
120/208V AC
Not UL Listed

Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL3431GCB**	**HBL3431C**

Note: See page B-53 for accessories.
See page B-69 for technical information.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

For Replacement Use Only

IP20
SUITABILITY

Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL3333GC**	**HBL3333C**

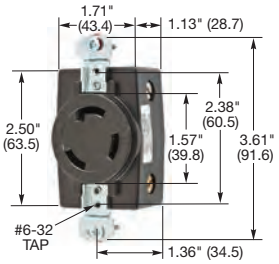
Note: See page B-51 for accessories.

HBL3333GC

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	**HBL3330G**	**HBL3330**

Note: See page B-50 for accessories.

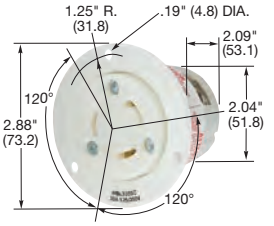


HBL3330G

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3335C**

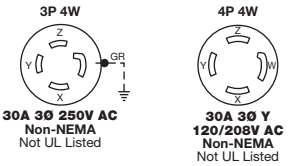
Note: See page B-50 for accessories.



HBL3335C

For Replacement Use Only

IP20
SUITABILITY



Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL3433GCB**	**HBL3433C**

Note: See page B-53 for accessories.

HBL3433C

Single Flush Receptacles

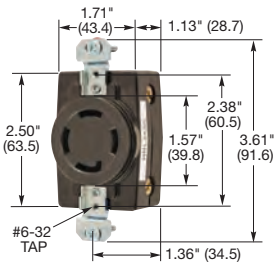
Description	Catalog Number	
Black thermoset, back wired.	**HBL3430G**	**HBL3430**

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL3435CM2**	–

Note: See page B-50 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL3430

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

HBL3521C

For Replacement Use Only

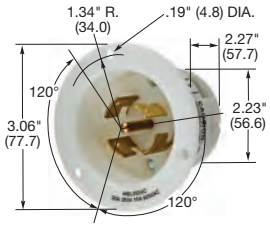
IP20
SUITABILITY

20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	**HBL3521C**

Note: See page B-53 for accessories.



HBL3524C

Flanged Inlets

Description	Catalog Number
Insulgrip nylon casing, back wired.	**HBL3524C**

Note: See page B-52 for accessories.

HBL3523C

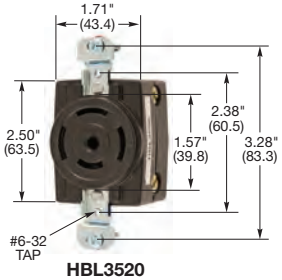
IP20
SUITABILITY

20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	**HBL3523C**

Note: See page B-53 for accessories.



HBL3520

Single Flush Receptacles

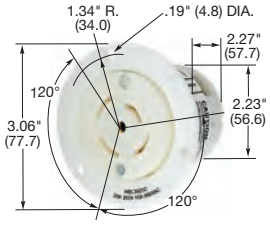
Description	Catalog Number
Black thermoset, back wired.	**HBL3520**

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired.	**HBL3525C**

Note: See page B-52 for accessories.
See page B-69 for technical information.



HBL3525C

Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Variload® Twist-Lock® Devices

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

Prior to NEMA configuration standardization the solution was "Variload® Twist-Lock®" devices with four non-interchangeable center pin and slot configurations that can be assigned within the same premises to circuits of same voltage, frequency and supply (AC or DC), in accordance with NEC® 406.4(F) and 406.8 and with CE Code, Part I, Rule 26-700(3).

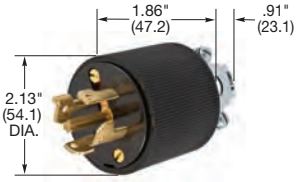
30A, 250V DC Max. and 600V AC Max. 50 - 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45115	–	**HBL45135**	**HBL45105**
	HBL45215	–	**HBL45235**	**HBL45205**
	HBL45315	–	**HBL45335**	**HBL45305**

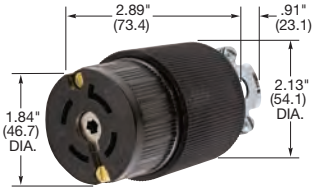
20A 3ØY, 120/208V AC Only, 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45915†	**HBL45985CL†**	**HBL45935†**	**HBL45905†**

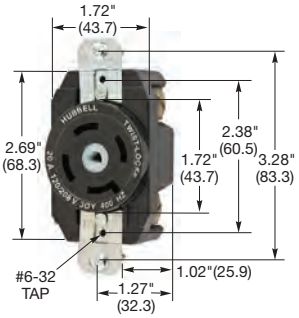
Note: †UL Listed only.



HBL45315



HBL45335



HBL45305

Receptacle Wallplates

Description	Single Receptacle with Face Dia. 1.74" (44.2) Catalog Number
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.	**SS725**

SS725

IP55*
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® black elastomer for Variload® plugs.	**HBL6027****
Seal-Tite® black elastomer for Variload® connector bodies.	**HBL6028****

*Note: *When installed and used properly with plug and connector body combinations.*
*** Weatherproof boots not UL Listed, nor CSA Certified.*

HBL6027

HBL6028

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

SS8

SS7

Wallplates, 1-Gang

Description	Color	Duplex Receptacles Catalog Number	Single Receptacles with Face Dia. 1.40" (35.6) Catalog Number
Nylon, smooth.	Brown Ivory	**NP8** **NP8I**	**NP7** **NP7I**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		**SS8**	**SS7**
Stainless steel 430, .035 in. (0.9), horizontal brushed finish.		**SS8L**	**SS7L**
Brass .04 in. (1.0), horizontal brushed finish.		**SB8**	**SB7**
Aluminum .05 in. (1.3), horizontal brushed finish.		**SA8**	**SA7**

HBL5206WO

IP44
SUITABILITY

Weatherproof Covers

Description	Catalog Number	Catalog Number
Cast aluminum, for standard horizontal box mount.	**HBL5205WO**	**–**
Same as above except FS/FD box mount.	**HBL5206WO**	**–**
Cast aluminum vertical FS/FD box mount.	**–**	**HBL7420**
Gray thermoplastic, vertical standard box mount, corrosion resistant.	**HBL5222***	**–**
Same as above except yellow.	**HBL52CM22***	**–**
Gray thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL5221***	**HBL7423WO**
Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21***	**HBL74CM23WO**
White thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21W***	**–**

*Note: *IP20 Suitability only.*

HBL5221

HBL7423WO

IP44
SUITABILITY

Weatherproof Covers for 15A Nylon Flanged Receptacles and Inlets

Description	Catalog Number
Gray thermoplastic, corrosion resistant.	**WP1**

Note: All weatherproof covers listed above are UL Listed for wet and damp locations with cover closed. Those with suffix WO are UL Listed with cover open.
See page N-23 for additional information on covers.

WP1

Tinted lid is aesthetically pleasing in any location. High-impact, polycarbonate while-in-use cover will not rust or corrode; cover is NEMA 3R rated

Compact 2-gang design

HBLPKL520

Locking receptacle prevents unintentional disconnection of mating pump plug

Pool Kit Contains:

- Heavy duty, industrial grade locking receptacle NEMA L5-20, 20A 125V
- Single-pole switch (20A, 120-277V AC)
- Two gang, 2 inch deep die-cast aluminum weatherproof box with (4) ¾ inch threaded outlets
- Two gang, weatherproof while-in-use cover
- Includes mounting hardware, gasket, wire connector and (3) closure plugs
- Complete assembly instructions

Pool Pump Kit

Description	Catalog Number
Pool pump receptacle kit.	**HBLPKL520**

HBL6023

HBL6024

IP55* SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots for 15A Insulgrip® Devices

Description	Catalog Number
Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet.	**HBL6023**
Same as above except yellow elastomer.	**HBL60CM23**
Black elastomer boot for connector bodies when used in cord sets.	**HBL6024**
Same as above except yellow elastomer.	**HBL60CM24**

*Note: *When installed and used properly with plug and connector body combinations.*

HBL7529A

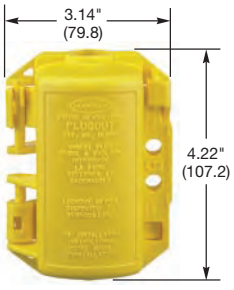
Closure Cover

Description	Catalog Number
For use with 3 wire 15A Twist-Lock flush or flanged receptacles.	**HBL7529A**

PLUGOUT® Lockout Devices

Description	Catalog Number
Lockout device for 15A and 20A straight blade plugs.	**HLDMP**
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	**HLD**

Note: See section Z for additional information on PLUGOUT Lockout devices.



HLDMP

Dimensions in Inches (mm)

SS720

Wallplates, 1-Gang

Description	Color	Single Receptacles with Face Dia. 1.60" (40.6) Catalog Number
Nylon, smooth.	Black	**NP720BK**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		**SS720**
Brass .04 in. (1.0), horizontal brushed finish.		**SB720**

HBL7425WOA

IP44
SUITABILITY

Weatherproof Covers

Description	Catalog Number
Cast aluminum, for FS/FD box mounting.	**HBL7420**
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	**HBL7425WOA**
Same as above except yellow.	**HBL74CM25WOA**

WP2

IP44
SUITABILITY

Weatherproof Covers for Flanged Inlets and Flanged Receptacles

Description	Catalog Number
Gray thermoplastic, corrosion resistant.	**WP2**

Note: Weatherproof covers are UL Listed for wet and damp location with cover closed.
Those with suffix WOA are UL Listed with cover open.
See page N-23 for additional information on covers.

HBL2899

Closure Cover for 3 Wire Flanged Inlets

Description	Catalog Number
Rubber closure plug.	**HBL2899**

Note: Closure cover not UL Listed, CSA Certified.

IP55* SUITABILITY

Insulgrip®

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	Catalog Number
Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets.	**HBL6031**
Same as above except yellow.	**HBL60CM31**
Black elastomer boot for connector bodies when used in a cord set.	**HBL6032**
Same as above except yellow.	**HBL60CM32**

HBL6031

HBL6032

Angle Adapter

Description	Catalog Number
Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"-.930" (8.3-24).	**HBL3WAA**

HBL3WAA

PLUGOUT® Lockout Devices

Description	Catalog Number
Lockout device for attachable 20 and 30A locking plugs, straight body or angle types, with or without weatherproof covers.	**HLD**
Lockout device for 20 and 30A 3 wire angle plugs and watertight Safety-Shroud® Twist-Lock® plugs.	**HLD2**

Note: See section Z for additional information on PLUGOUT Lockout devices.
**When installed and used properly with plug and connector body combinations.*

Insulgrip® Plug and Connector Body Latching Kit

The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.

SK2

Insulgrip® Latching Kit

Description	Catalog Number
For all 3 wire 20A and 30A Twist-Lock Insulgrip plugs and connectors.	**SK2**

IP55* SUITABILITY

Valise®

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	Catalog Number
Yellow Seal-Tite® elastomer triple seal cover for use with Valise plugs when used in cord set and Valise connector bodies when used with flanged inlet.	**HBL60CM31V**
Yellow Seal-Tite® elastomer triple seal cover for use with Valise connector bodies.	**HBL60CM32V**

*Note: *When installed and used properly with plug and connector body combinations.*

HBL60CM31V

HBL60CM32V

NP720BK

Wallplates, 1-Gang

Description	Color	Single Receptacles with Face Dia. 1.60" (40.6) Catalog Number
Nylon, smooth.	Black	**NP720BK**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish, 1-gang.		**SS720**
Brass .04 in. (1.0), horizontal brushed finish.		**SB720**

SS720

IP44
SUITABILITY

Weatherproof Covers

Description	Catalog Number
Cast aluminum, for FS/FD box mounting.	**HBL7420**
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	**HBL7425WOA**
Same as above except yellow.	**HBL74CM25WOA**

HBL7425WOA

IP44
SUITABILITY

Weatherproof Covers for Flanged Inlets and Flanged Receptacles

Description	Catalog Number
Gray thermoplastic, corrosion resistant.	**WP2**

Note: Weatherproof covers are UL Listed for wet and damp location with cover closed.
Those with suffix WOA are UL Listed with cover open.
See page N-23 for additional information on covers.

WP2

IP55*
SUITABILITY

Insulgrip®

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	Catalog Number
Seal-Tite® triple seal cover for plug when used on a cord set or when used with flush receptacles or connector bodies when used with flanged inlets. Black elastomer.	**HBL6035**
Same as above except yellow.	**HBL60CM35**
Seal-Tite triple seal cover for connector bodies, when used on interconnecting cord sets. Black elastomer.	**HBL6036**
Same as above except yellow.	**HBL60CM36**

HBL6035

HBL6036

Angle Adapter

Description	Catalog Number
Nylon, angle adapter for Insulgrip plugs and connectors, cord grip range .350"-1.15" (8.9-29.2).	**HBL45WAA**

HBL45WAA

PLUGOUT® Lockout Device

Description	Catalog Number
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	**HLD**
Lockout device for 20 and 30A, 4 and 5 wire angle plugs and watertight Safety-Shroud® Twist-Lock® plugs.	**HLD2**

Note: See section Z for additional information on PLUGOUT Lockout devices.
**When installed and used properly, with plug and connector body combinations.*

HLD

Insulgrip® Plug and Connector Body Latching Kit

When you want to make doubly sure that plugs and connector bodies stay connected, the Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.

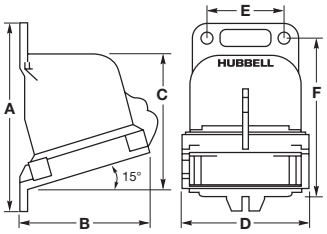
Insulgrip® Latching Kit

Description	Catalog Number
For all 20 and 30A, 4 and 5 wire Twist-Lock Insulgrip plugs and connectors.	**SK3**

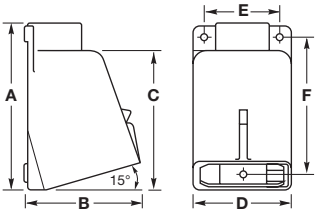
SK3

HLD2

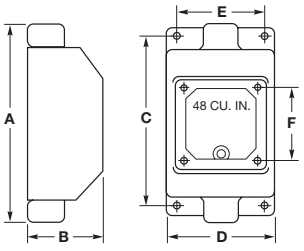
Dimensions in Inches (mm)



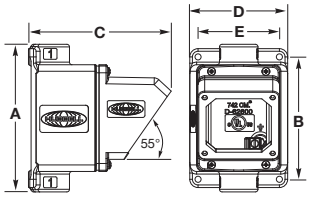
Non-Metallic Angle Box



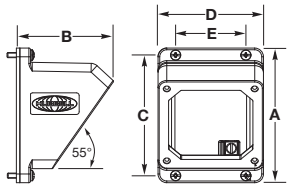
Metallic Angle Box



Metallic Feed Thru Box



AB203055



AA203055

HBL2030AP

AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

Note: Hub is not included; order Raco part number 1704. This box meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

Metallic Feed Thru Back Boxes

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**

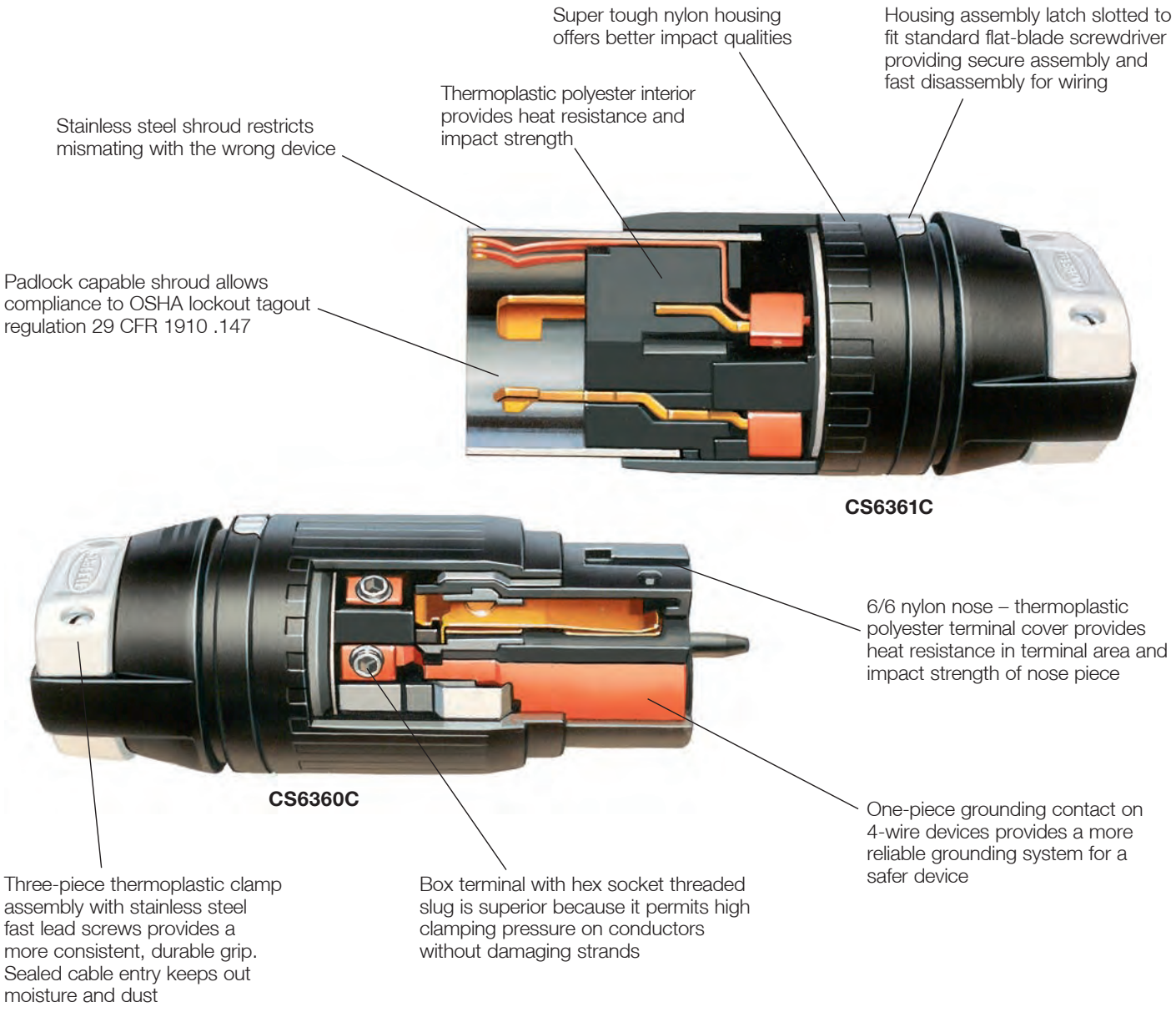
Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4 11/16" square).	**AA2030PS**

The Difference Is Insulgrip®...and a Whole Lot More

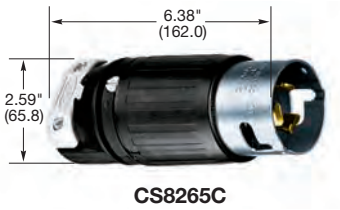


Hubbell's 50 amp Twist-Lock® devices features heavy-duty design built for heavy-duty applications. These Hubbell 50 amp Twist-Lock plugs and connector bodies are built to go where you need power, even in some of the harshest environments.

On the outside, 50 amp plugs and connectors are made of Super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. And it's why we'll never add a feature that compromises performance.



CS8265C

Plugs

IP20 SUITABILITY

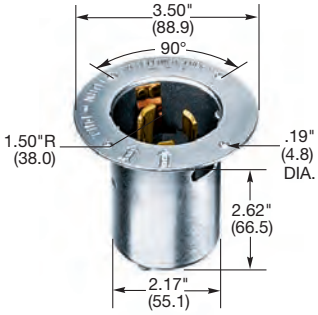
50A 125V UL/CSA

50A 250V UL/CSA

50A 480V AC UL/CSA

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6361C**	**CS8265C**	**CS8465C**

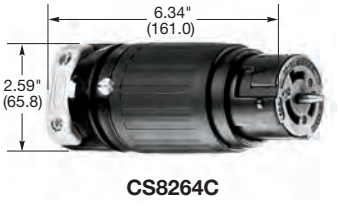
Note: See page B-60 for accessories.



CS8275

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	**CS6377†**	**CS8275**	**CS8475†**



CS8264C

Connector Bodies

IP20 SUITABILITY

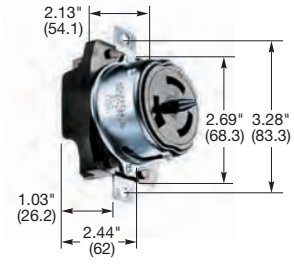
50A 125V UL/CSA

50A 250V UL/CSA

50A 480V AC UL/CSA

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6360C**	**CS8264C**	**CS8464C**

Note: See page B-60 for accessories.



CS8269

Receptacles

Description	Catalog Number		
Black phenolic.	**CS6370**	**CS8269**	**CS8469†**

Note: See page B-60 for accessories.
See page B-71 for technical Information.
†Not CSA Certified.

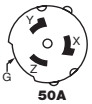
Dimensions in Inches (mm)

Plugs

IP20 SUITABILITY

50A 125/250V AC UL/CSA

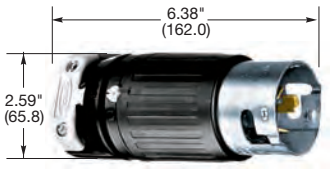
50A 3Ø 250V AC UL/CSA



50A 3Ø 480V AC UL/CSA

Description	Cord Dia.	Catalog Number		
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6365C**	**CS8365C**	**CS8165C**

Note: See page B-60 for accessories.

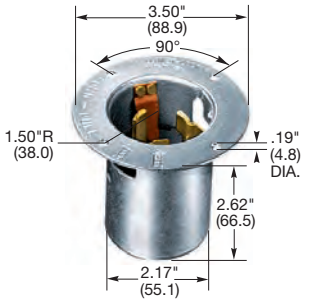


CS6365C

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	**CS6375**	**CS8375**	**CS8175**
Zinc plated steel casing, thermoset interior with lift cover.	**CS6375M2**	–	–
Gray Valox® housing and flange.	**HBL6375S***	–	–

*Note: *Type 3R.*



CS6375

IP20 SUITABILITY

50A 125/250V AC UL/CSA

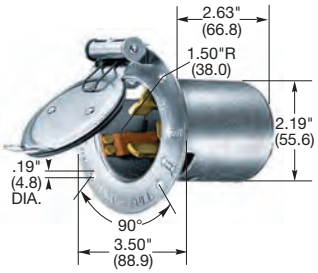
50A 3Ø 250V AC UL/CSA

50A 3Ø 480V AC UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6364C**	**CS8364C**	**CS8164C**

Note: See page B-60 for accessories.

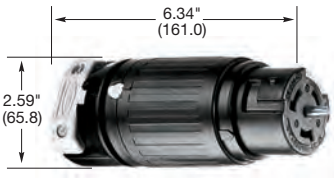


CS6375M2

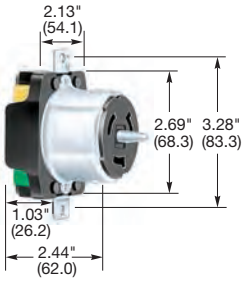
Receptacles

Description	Catalog Number		
Black phenolic.	**CS6369**	**CS8369**	**CS8169**

Note: See page B-60 for accessories.



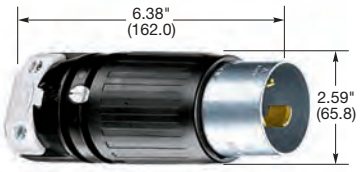
CS6364C



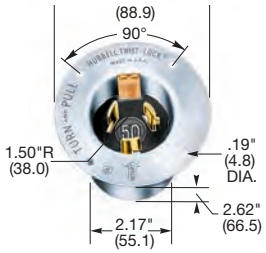
CS6369

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

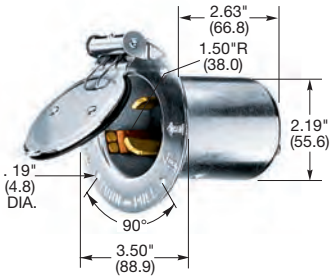
Dimensions in Inches (mm)



HBL3763C

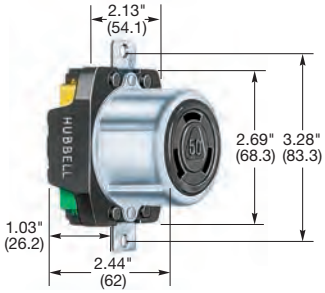


HBL3777



HBL3767

HBL3762C



HBL3771

Plugs

IP20
SUITABILITY

50A 250V DC
50A 600V AC

Description	Cord Dia.	
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3763C**

Note: See page B-60 for accessories.

Flanged Inlets

Description	
Zinc plated steel casing, thermoset interior.	**HBL3777**
Zinc plated steel casing, thermoset interior with lift cover.	**HBL3767**

Connector Bodies

IP20
SUITABILITY

50A 250V DC
50A 600V AC

Description	Cord Dia.	
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3762C**

Note: See page B-60 for accessories.

Receptacles

Description	
Black phenolic.	**HBL3771**

Note: See page B-60 for accessories.
See page B-71 for technical Information.

Dimensions in Inches (mm)

Important Note: Catalog numbers HBL7765C, HBL7958, HBL7968, HBL7764C, HBL7379 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.

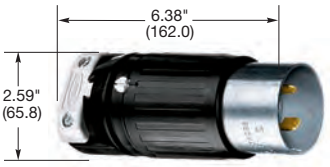
Plugs

50A 600V AC
50A 250V DC

50A 600V AC
50A 250V DC

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3765C**	**HBL7765C**

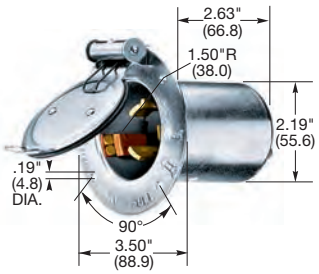
Note: See page B-60 for accessories.



HBL3765C

Flanged Inlets

Description	Catalog Number	
Zinc plated steel casing, thermoset interior.	**HBL3775**	**HBL7958**
Zinc plated steel casing, thermoset interior with lift cover.	**HBL3768**	**HBL7968**



HBL3768

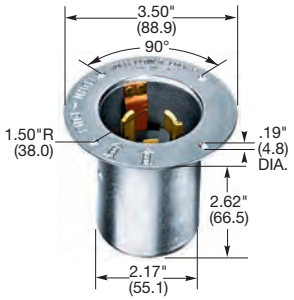
Connector Bodies

50A 600V AC
50A 250V DC

50A 600V AC
50A 250V DC

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3764C**	**HBL7764C**

Note: See page B-60 for accessories.

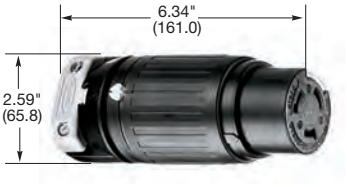


HBL3775

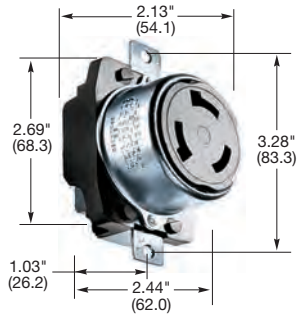
Receptacles

Description	Catalog Number	
Black phenolic.	**HBL3769**	**HBL7379**

Note: See page B-60 for accessories.



HBL3764C



HBL3769

Dimensions in Inches (mm)

HBL7774WO

HBL7770

HBL7382

HBL50SC

SS750

IP44
SUITABILITY

Weatherproof Receptacle Lift Cover Plates for FS/FD Box Mounting

Description	Catalog Number
Corrosion resistant, gray thermoplastic.	**HBL7774WO**
Same as above except yellow.	**HBL77CM74WO**
Cast aluminum.	**HBL7770**

Note: See section N for additional information on weatherproof plates.

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Cast aluminum with lift cover.	**HBL7382•***
Same as above less lift cover.	**HBL7383•**
Stainless steel, single gang, wallplate.	**SS750▲**

Receptacle ½" Raised Cover

Description	Catalog Number
Galvanized Steel fits 4" square or 2-gang box.	**HBL50SC▲**

IP55**
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets.	**HBL7716C†**
Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets.	**HBL7717C†**

Inlet Closure Plug

Description	Catalog Number
Black closure plug.	**HBL4892†**

Replacement Parts

Description	Catalog Number
Cord clamp Kit.	**HBLCSCK**

Note: •Will only fit non-"CS" type 50A Twist-Lock receptacles.
**Not UL Listed "WDL Closed".*
***When installed and used properly with plug and connector body combinations.*
▲IP20 Suitability.
†Not UL Listed.

HBL7716C

HBL7717C

HBL4892

HBLCSCK

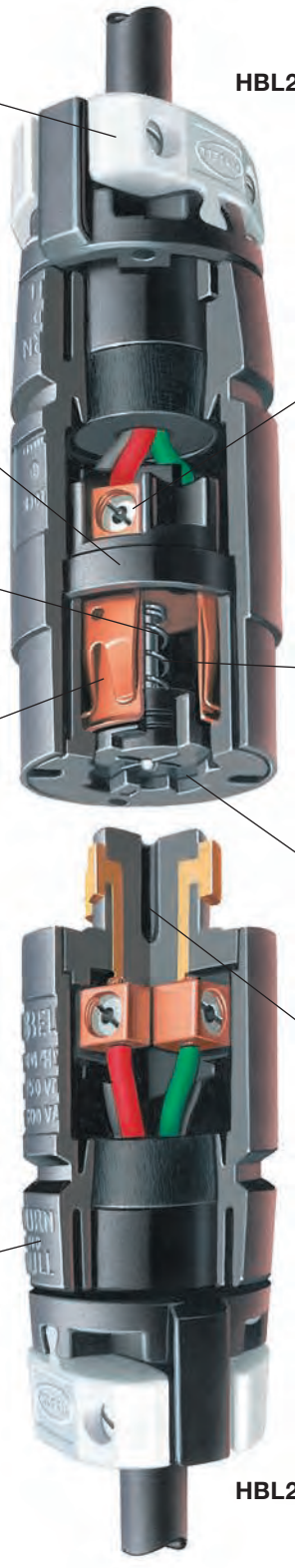
Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip. Grommets provide a sealed cable entry that protects against the entry of moisture and dust

HBL21414B

Impact resistance in the interior of the female device comes from a strong thermoplastic material

Superior wire terminations are assured with box terminals and screws with pressure pads. This design captures stray wire strands and permits more clamping pressure on the wire without damaging it. Loosening of terminations and resulting heat build-up are greatly reduced

No "lazy" connections because a spring-loaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up



Arcs are snuffed out, when devices are mated or unmated under load, by spring-loaded safety shutter

Longer contact life is assured by supplementary springs. Other devices rely just on contacts themselves to provide proper contact pressure

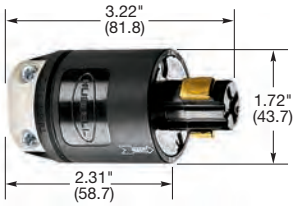
Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter

Positive locking is ensured by the nose of the plug being keyed into a detent in female device. This lock is independent of the contacts or a separate mechanical lock

Insulated non-metallic housing enhances safety and abuse resistance

HBL21415B

Note: Above cut-away view and call-outs are construction elements pertaining specifically to the 30A Hubbellock series.
While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.



HBL23035B

IP30
SUITABILITY

20A 125V

Plug

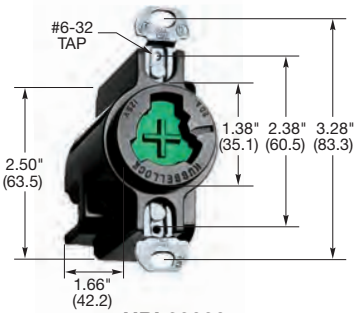
Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23035B**

HBL23032B

20A 125V

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23032B**



HBL23030

20A 125V

Receptacle

Description	Catalog Number
Black phenolic, back wired.	**HBL23030**

Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.

HBL7423WO

HBL23007

Accessories

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only.	**HBL23007**
Stainless steel 302/304, single receptacle wallplate.	**SS7**
Stainless steel 430, single receptacle wallplate.	**SS7L**

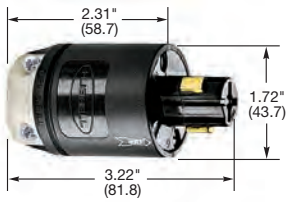
Dimensions in Inches (mm)

Plug

IP30
SUITABILITY

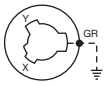
20A 125V

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23005GB**



HBL23005GB

Connector Body

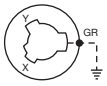


20A 125V

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23002GB**

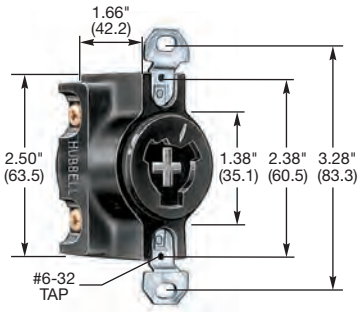
HBL23002GB

Receptacle



20A 125V

Description	Catalog Number
Black phenolic, back wired.	**HBL23000G**



HBL23000G

Accessories

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only.	**HBL23007**
Stainless steel 302/304, single receptacle wallplate.	**SS7**
Stainless steel 430, single receptacle wallplate.	**SS7L**

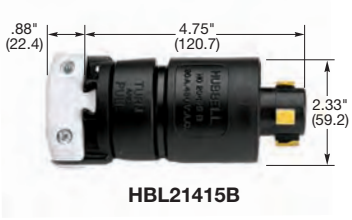
HBL7423WO

HBL23007

Dimensions in Inches (mm)

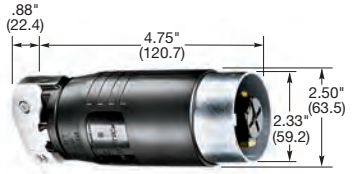
30 Ampere, 600 and 480 Volts AC, 20 Ampere, 250 Volts DC

3 Pole, 4 Wire Grounding and 4 Pole, 5 Wire Grounding

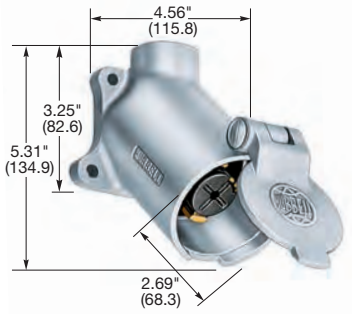


HBL21415B

HBL20445B

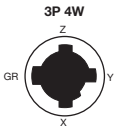


HBL25415B

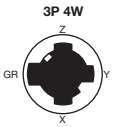


HBL21447

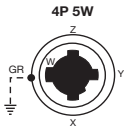
IP30
SUITABILITY



30A 600V AC
20A 250V DC



30A 480V AC



30A 600V AC
20A 250V DC

Plugs

Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21415B**	–	–
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM415B**	–	–
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	–	**HBL20445B†**	–
Black nylon housing, thermoset interior, steel shroud.	.700"-1.200" (17.78-30.5)	–	–	**HBL25415B**

Note: See page B-68 for accessories.
†Not CSA Certified.

Flanged Inlets

Description	Catalog Number		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting.	**HBL22CM428**	–	–
Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown).	**HBL20418**	–	–
Aluminum angle housing, with ¾" NPT hub for surface mounting.	**HBL21447**	–	–

SEHBL3 - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page B-37 for additional information.

Dimensions in Inches (mm)

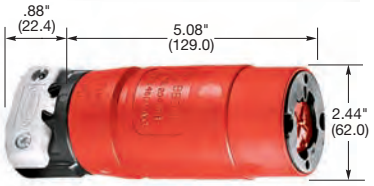
Connector Bodies

IP30 SUITABILITY

Description	Cord Dia.	3P 4W 30A 600V AC 20A 250V DC	3P 4W 30A 480V AC	4P 5W 30A 600V AC 20A 250V DC
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21414B**	–	–
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM414B**	–	–
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	–	**HBL20444B**	–
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	–	–	**HBL25414B**

Note: See page B-68 for accessories.

HBL21414B



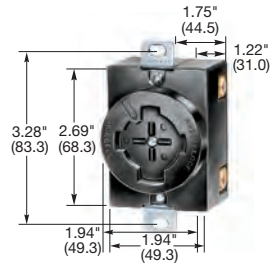
HBL20444B

Receptacles

Description	Catalog Number		
Black phenolic.	**HBL20403**		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. IP44 SUITABILITY.	**HBL22CM427**	–	–
Aluminum angle housing, with ¾" NPT hub for surface mounting. IP44 SUITABILITY.	**HBL21420**		
Black phenolic, red center insert.	–	**HBL20443**	–
Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting.	–	–	**HBL25403**
Black phenolic interior, aluminum weatherproof housing, blue finish for FS/FD box mounting. IP44 SUITABILITY.	–	–	**HBL25250**

Note: See page B-68 for accessories.

HBL25414B

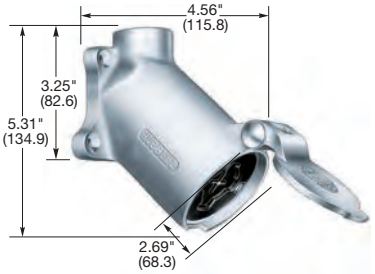


HBL20403

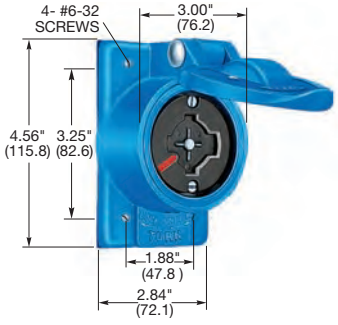
Receptacle Accessories

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

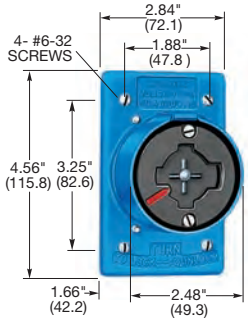
*Note: *Features two #6-32 threaded inserts to back mount device to cover.*



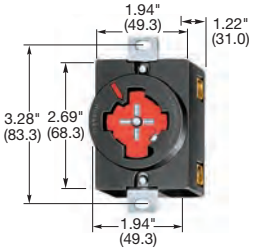
HBL21420



HBL25250

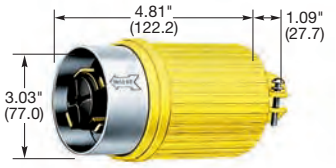


HBL25403

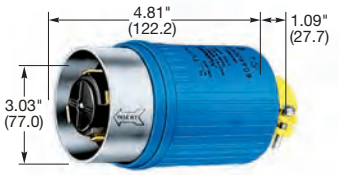


HBL20443

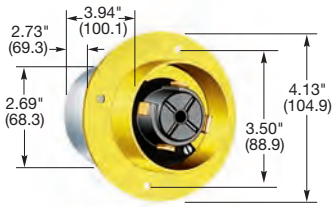
Dimensions in Inches (mm)



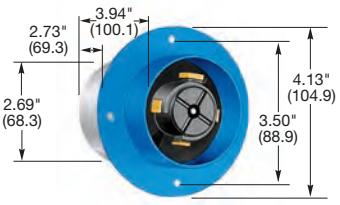
HBL26419



HBL26519



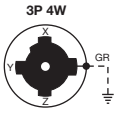
HBL26422



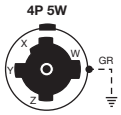
HBL26522

Plugs

IP30
SUITABILITY



60A 600V



60A 600V AC

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel housing.	.920"-1.450" (23.36-36.83)	**HBL26419**	–
Black phenolic interior with blue thermoplastic sleeve and steel housing.	1.00"-1.50" (25.40-38.10)	–	**HBL26519**

IP30
SUITABILITY

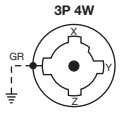
Flanged Inlets

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	**HBL26422**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26522**

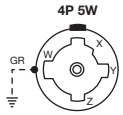
Dimensions in Inches (mm)

Connector Bodies

IP30 SUITABILITY



60A 600V



60A 600V AC

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel cover.	.920"-1.450" (23.36-36.83)	**HBL26418**	–
Black phenolic interior with blue thermoplastic sleeve over steel cover.	1.00"-1.50" (25.40-38.10)	–	**HBL26516**

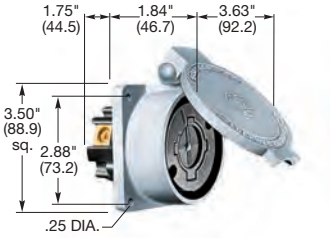
HBL26418

HBL26516

Receptacles

IP44 SUITABILITY

Description	Catalog Number	
Black phenolic interior with short aluminum housing and lift cover.	**HBL26410**	–
Black phenolic interior with long aluminum housing and lift cover.	**HBL26420**	–
Black phenolic interior with long aluminum housing with lift cover and blue finish.	–	**HBL26520**

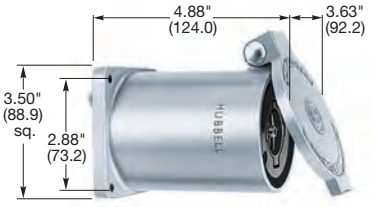


HBL26410

Flanged Receptacles

IP30 SUITABILITY

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	**HBL26421**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26521**

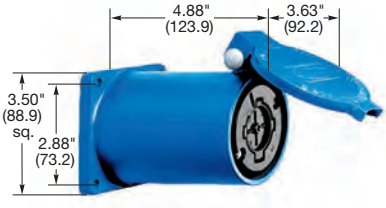


HBL26420

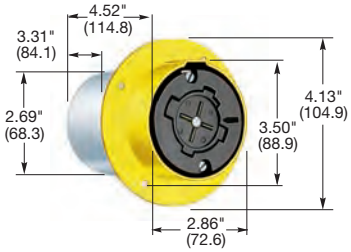
Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

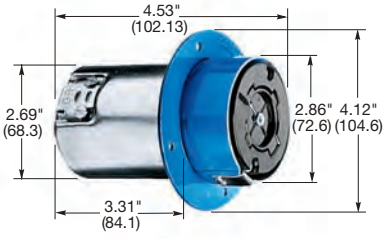
Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.
See page B-68 for additional information.



HBL26520



HBL26421



HBL26521

Dimensions in Inches (mm)

HBL20405

SEHBL3

SAB34

HBL20424B

HBL20425B

H660A

Dimensions in Inches (mm)

30 Amp Hubbellock® Accessories

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR***
Cast aluminum, wet location only when cover "closed" and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet location only when cover "closed" and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*

IP54
SUITABILITY

Switched Enclosure

Description	Catalog Number
Switched enclosure for use with 30A 3 pole 4 wire Hubbellock receptacle. Receptacle not included.	**SEHBL3**

Note: For more information on switched enclosures see page B-37.

Liquidtight Metallic Conduit Adapters (Not Shown)

Description	Catalog Number
Adapter for use with ½" NPT conduit fittings.	**SAB12**
Adapter for use with ¾" NPT conduit fittings.	**SAB34**

Boots

Description	Catalog Number
"Mini" boot for Hubbellock connector body.	**HBL20424B†**
"Mini" boot for Hubbellock plug.	**HBL20425B†**

Note: †Not UL Listed or CSA Certified.

60 Amp Hubbellock® Accessories

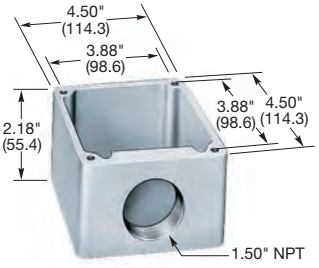
Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

Kellems® Cable Grip

Description	Cord Diameter	Catalog Number
Cable grip.	.830"-1.000" (21.1-25.4)	**H660A**
Cable grip (not shown).	1.000"-1.140" (25.4-28.9)	**H661A**
Cable grip (not shown).	1.125"-1.328 (28.6-33.7)	**H662A**



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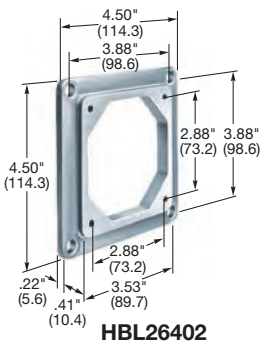

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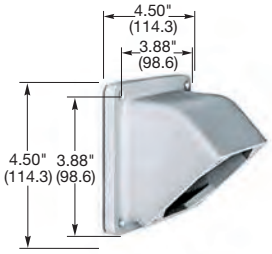

HBL26404

Specifications

Listings
Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®).
Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Plugs and Connector Bodies (Insulgrip®)	**15-30A**
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel – nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Flanged Inlet/ Receptacles	**15-30A**
Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws Screw Sizes	Nickel plated brass round head screws 15A: 6-32, ⅜" long 20A and 30A: 8-32, 7⁄16" long

Receptacle, Single	**15A**	**20A and 30A**
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	RTP (Black)	RTP (Natural)
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	–	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	–
End Plates (Mounting)	–	.050" Brass
Back Plate	–	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Safety-Shroud® Receptacles Angle, Surface Semi-Flush	**20-30A**
Housing and Mounting Flange	Gray Valox®
Mounting Plate (Angle Housing Only)	Galvanized steel
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Body Holding Screws	Steel, zinc plated
Contact Springs	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Terminal Screws	10-32 Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Plate Screws	Steel, zinc plated
Wallplate Mounting Screws	Steel, zinc plated

Safety-Shroud® Twist-Lock® Plug	**20-30A**
Insulgrip Plug with Safety-Shroud installed	
Safety-shroud	White Valox®
Cord Clamp	White nylon

Performance (Twist-Lock® and Safety Shroud Devices)	
Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical (Twist-Lock® and Safety Shroud Devices)	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation (Insulgrip)	15A: .230"-.720" (5.8-18.3); 20A and 30A 3W: .360"-.930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device housing.

Environmental (Twist-Lock® and Safety Shroud Devices)	
Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75°C. Minimum -40°C (w/o impact).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).
Fed. Spec. WC-596.
UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud® Plug (Insulgrip®)	**20 and 30A**
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud® Connector (Insulgrip®)	**20 and 30A**
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Contact Spring	Brass
Spring Binding Plate	Brass
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screws when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Grip Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Polypropylene with Neoprene gasket
Watertight Safety-Shroud Receptacle, Single*	**20 and 30A**
Housing and Flange	Gray Valox
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Drive Screws	Steel, zinc plated
Contact Spring	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Flange Gasket	Closed-cell neoprene foam
Lid Gasket	Closed-cell neoprene foam
Cover Hinge Pin	Stainless steel 302/304
Cover Spring	Stainless steel 302/304
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Mounting Screws	Stainless steel 302/304 combination head
Watertight Safety-Shroud® Flanged Inlet	**20 and 30A**
Housing and Flange	Gray Valox
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Closure Cap	Neoprene EPDM blend
Mounting Screws	Stainless steel 302/304 combination head

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).
Mechanical	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation	20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S, SO; 20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO; 20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S, SO - #8-5 Type S, SO.
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	#16- #8 AWG solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use.
Environmental	
Moisture Resistance	Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).

*Note: *Suitable for use as a flanged receptacle.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Part	Materials
Plug (Twist-Lock)	**50A**
Blade Holder	Thermoplastic polyester (black)
Power Blades	Brass
Terminal Set Screw	Stainless steel
Terminal Retainer	Thermoplastic polyester
Front and Rear (housing)	Supertough nylon
Cord Clamp	Thermoplastic polyester (white)
Seal	Neoprene
Seal Cup	Nylon
Box Terminal	Copper
Latches	Supertough nylon
Ground Contact Spring	One piece copper/nickel
Cord Clamp Screws	302/304 Stainless steel
Shroud	302/304 Stainless steel

Connector (Twist-Lock)	**50A**
Contact Nose	Nylon (black)
Terminal Retainer	Thermoplastic polyester (black)
Terminal Set Screw	302/304 Stainless steel
Contact Spring	Brass
Assembly Ring	302/304 Stainless steel
Front and Rear (housing)	Supertough nylon (black)
Latches	Supertough nylon (white)
Cord Clamp	Thermoplastic polyester (white)
Box Terminal	Copper
Contact Holder	Thermoplastic polyester (black)
Ground Contact	One piece copper/nickel
Seal Cup	Nylon
Cord Grip screws	302/304 Stainless steel
Seal	Neoprene

Part	Materials
Flanged Inlet	**50A**
Flanged Casing	.062" Steel, zinc plate
Blade Holder	Phenolic
Pressure Screws	Steel, zinc plate
Blades	.100" Brass
Ground Spring	.025" Bronze
Terminals	.050" Steel, brass finish
Grounding Terminal	.062" Copper, green finish
Round Head Screws	Steel, zinc plate

Receptacle	**50A**
Body	Phenolic
Face	Phenolic
Contact Springs	.100" Brass alloy
Contact Binding Plates	.100" Brass
Ground Contact	.031" Brass
Insulator	.093" Laminated phenolic
Bridge (Mounting Strap)	.062" Steel, zinc plate
Pressure Screws	Steel, zinc plate
Terminals	.050" Steel
Casing	.062" Steel, zinc plate
Center Pin (CS Devices)	Steel, zinc plate

Product Identification

Ratings	Molded into face for all devices and stamped into stainless steel shroud on plug devices.
Catalog Number	Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices.

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498).
Mechanical	
Terminal Accommodation	#10 AWG min. - #6 AWG max. Solid or stranded copper wire only.
Cord Grip Accommodation	.750"-1.150" (19.1-29.2).
Environmental	
Flammability	UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors.
Operating Temperatures	Maximum continuous 75°C; minimum –40°C (w/o impact).

Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell SETL3/SEHBL3-SE2730A.
Description	Lockable Switched Enclosure. This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	20 or 30A, 125V through 3ØY 347/600V AC.
Configuration	NEMA Locking L5-20R through L23-30R.
Enclosure Type	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Materials
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Molded neoprene
Frame	Galvanized steel
Lift Cover	Valox®
Enclosure Screws	Stainless steel 300 series
Hinge Spring and Pin	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V minimum.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label and receptacle face.
Weight	3.5 pounds.
Mounting	External fully adjustable feet.

Environmental	
Moisture Resistance	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Flammability	UL94 – 5 VA and V0 classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All materials are UV stabilized.

Note: This device provides on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a 5⁄16" (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBLMITL.
Description	Circuit-Lock Mechanical Interlock.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	Up to 30A, 3Ø 600V AC.
Enclosure Type	Outdoor – 4X (Watertight, Washdown); Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout. IP66 suitability.
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Material
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Neoprene
Frame	Galvanized steel
Enclosure Screws	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V Min.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA.
Product Identification	Identification and ratings are part of the external label and receptacle face.
Weight	3.5 pounds.
Mounting	External full adjustable feet.

Environmental	
Moisture Resistance	Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability.
Flammability	Meets UL 94V0 material classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All exposed materials are UV stabilized.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Specifications

Plugs
Typical Specification - Catalog No. HBL4723VY.
Description - Straight Body Plug
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP Suitability – **IP20**

Part	Material
Plug	15, 20 and 30A
Housing	Nylon
Blades	Brass
Ground Blade	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Connector Bodies
Typical Specification- Catalog No. HBL4729VY
Description – Straight Body Connector
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP Suitability – **IP20**

Part	Material
Connector	15, 20 and 30A
Housing	Nylon
Contact and Ground Springs	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V, 250V or 277V AC as rated.
Current Interrupting	Certified for full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current.

Mechanical	
Terminal Identification	Screw Color per UL 498 (Brass, White and Green).
Terminal Accommodation	15A-18 to 12AWG. Solid or stranded copper wire only. 20A-18 to 10AWG. Solid or stranded copper wire only. 30A-14 to 8AWG. Solid or stranded copper wire only.
Product Identification	Molded rating on device face.
Torque	12 in-lb terminal screws, 7 in-lb assembly screws.

Cord Range	
15A	.220" to .660" (5.6mm to 16.8mm).
20A	.325" to .720" (8.26mm to 18.3mm).
30A	.590" to .930" (15.0mm to 23.6mm).

Environmental	
Flammability	UL 94HB.
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).

Standards
Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42

Section C
Watertight Devices

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Watertight Safety-Shroud® Twist-Lock®

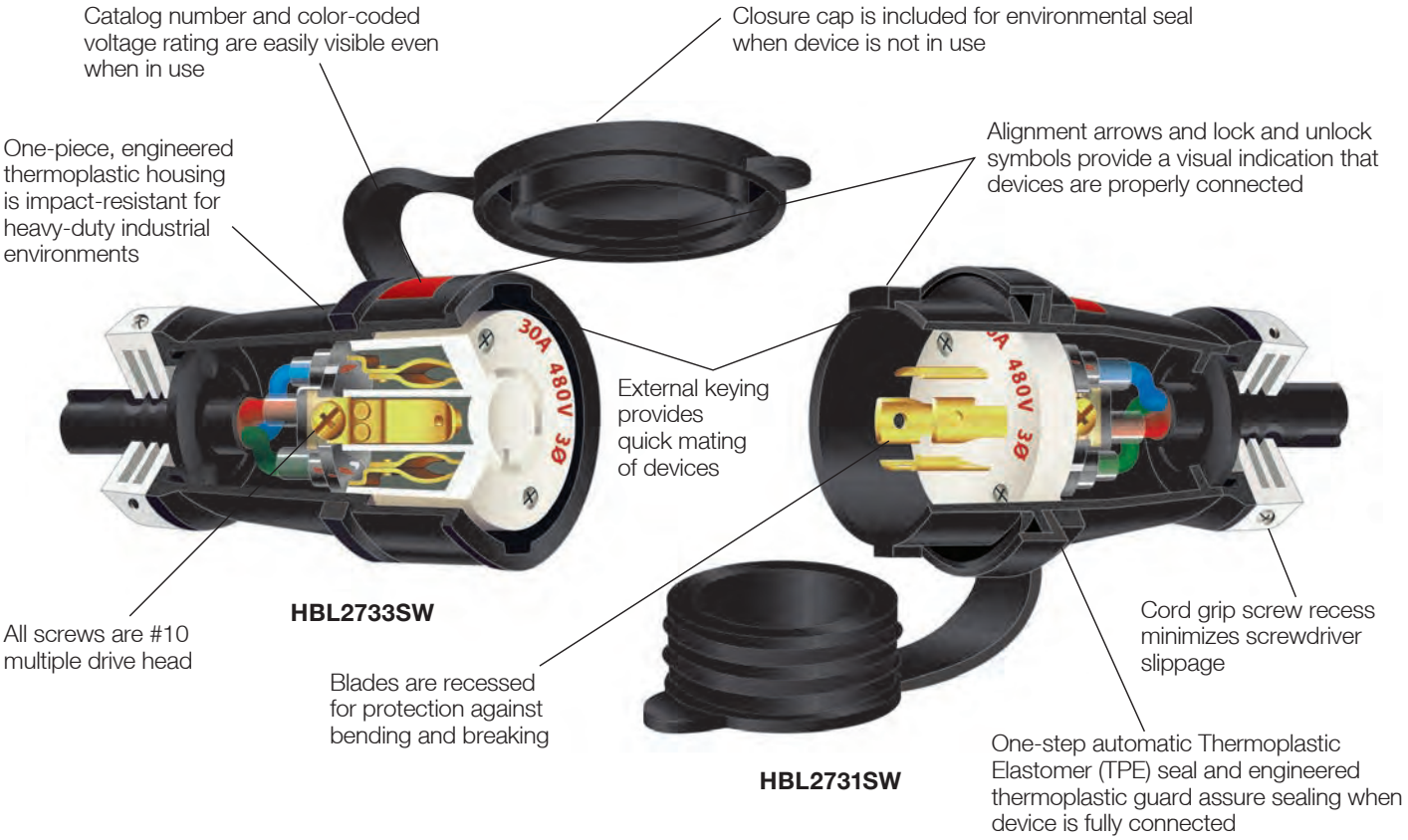
Watertight Devices and Lift Covers

Portable Outlet Boxes and Cover Plates

Heavy-Duty Outlet Boxes and Cover Plates

Watertight Safety-Shroud® Twist-Lock® Devices

Features and Benefits



Note: Works with Mechanical Interlocks, see page B-39 for additional information.

TPE Gland Seal

Assorted glands accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO

Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy-duty industrial environments.
- Catalog number and color-coded voltage rating are easily visible when in use.
- Stainless Steel 302/304, #10 multiple drive head mounting screws provide corrosion resistance.
- Mounting screw recesses minimize screwdriver slippage.
- Lockout/tagout hole on inlets allow compliance to OSHA regulation 29 CFR 1910.147.
- TPE closure cap provided with inlets for environmental seal when not in use.
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices.

Spring-Loaded Cover

One-step push-to-close spring-loaded cover with latch allows for fast opening and closing of lift cover. Result: environmental sealing is assured

Safety-Shroud

- Virtually eliminates bent and broken plug blades, leading to longer equipment life.
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades.
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies.
- Reduces exposure to arcing when connecting or disconnecting plugs under load.
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts.
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147.
- Sealing gland and thermoplastic guard assure sealing when fully connected.

Watertight Safety-Shroud® Twist-Lock® Devices

20 and 30 Ampere Devices

Watertight Devices

NEMA Rating Color Coded by Voltage		Poles/Wires	Plug	Connector	Flanged Inlet	Receptacle
20A 125V	L5-20	2P/3W	**HBL2311SW**	**HBL2313SW**	**HBL2315SW**	**HBL2310SW**
20A 250V	L6-20	2P/3W	**HBL2321SW**	**HBL2323SW**	**HBL2325SW**	**HBL2320SW**
277V AC	L7-20	2P/3W	**HBL2331SW**	**HBL2333SW**	**HBL2335SW**	**HBL2330SW**
125/250V AC	L14-20	3P/4W	**HBL2411SW**	**HBL2413SW**	**HBL2415SW**	**HBL2410SW**
20A 3Ø 250V AC	L15-20	3P/4W	**HBL2421SW**	**HBL2423SW**	**HBL2425SW**	**HBL2420SW**
20A 3Ø 480V AC	L16-20	3P/4W	**HBL2431SW**	**HBL2433SW**	**HBL2435SW**	**HBL2430SW**
3ØY 120/208V AC	L21-20	4P/5W	**HBL2511SW**	**HBL2513SW**	**HBL2515SW**	**HBL2510SW**
30A 125V	L5-30	2P/3W	**HBL2611SW**	**HBL2613SW**	**HBL2615SW**	**HBL2610SW**
30A 250V	L6-30	2P/3W	**HBL2621SW**	**HBL2623SW**	**HBL2625SW**	**HBL2620SW**
30A 125/250V AC	L14-30	3P/4W	**HBL2711SW**	**HBL2713SW**	**HBL2715SW**	**HBL2710SW**
30A 3Ø 250V AC	L15-30	3P/4W	**HBL2721SW**	**HBL2723SW**	**HBL2725SW**	**HBL2720SW**
30A 3Ø 480V AC	L16-30	3P/4W	**HBL2731SW**	**HBL2733SW**	**HBL2735SW**	**HBL2730SW**
3Ø 600V AC	L17-30	3P/4W	**HBL2741SW**	**HBL2743SW**	**HBL2745SW**	**HBL2740SW**
3ØY 120/208V AC	L21-30	4P/5W	**HBL2811SW**	**HBL2813SW**	**HBL2815SW**	**HBL2810SW**

Note: For technical information on Watertight Safety-Shroud devices see page B-70.

Mechanical Interlock Switched Safety Enclosure

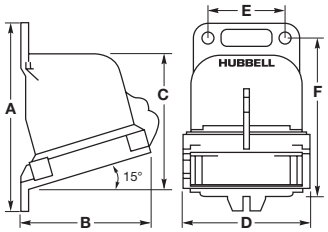
Description	Catalog Number
Unfused mechanical interlock integrates a watertight safety shroud receptacle with a linked disconnect switch. For additional details, see page B-39.	**HBLMITL**

HBLMITL

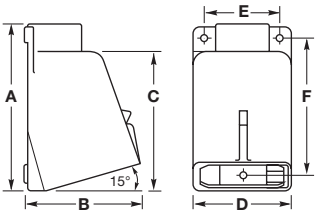
Specifications

Listings	
Listed to UL Standard 498. Certified to CSA Standard No.42. Fed. Spec. WC-596.	

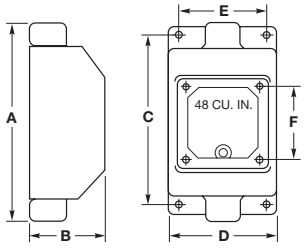
Environmental	
Moisture Resistance	UL Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).



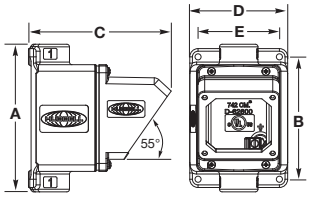
Non-Metallic Angle Box



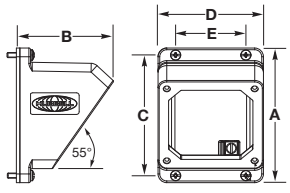
Metallic Angle Box



Metallic Feed Thru Box



AB203055



AA203055

HBL2030AP

AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

Note: Hub is not included; order Raco part number 1704. This box meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

Metallic Feed Thru Back Boxes

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**

Straight Watertight Wall Box Adapter

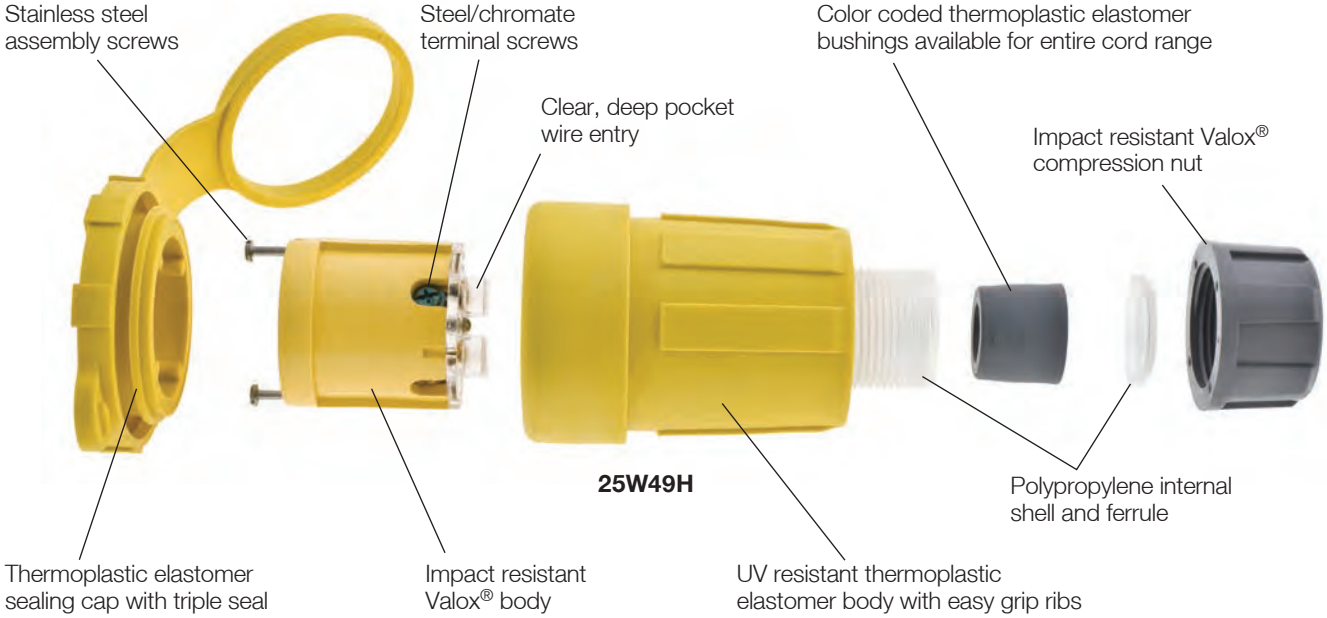
Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**

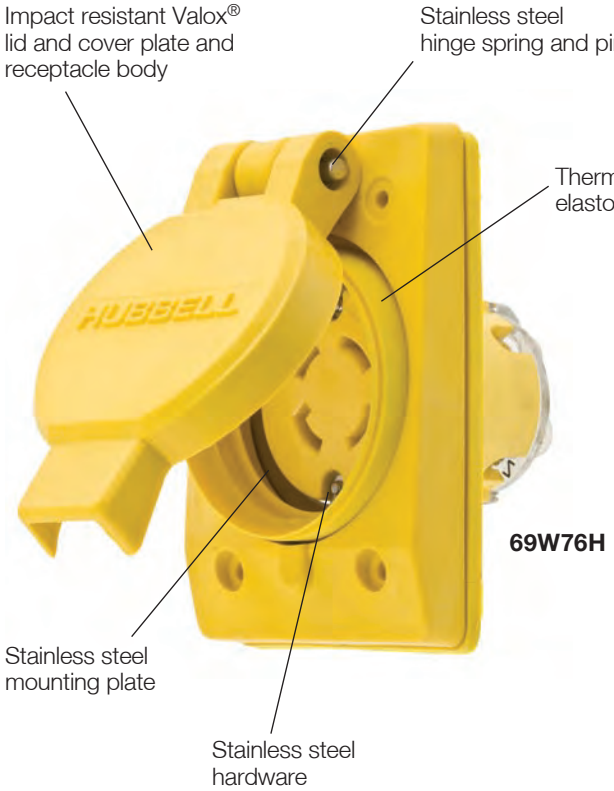
Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4 11/16" square).	**AA2030PS**

Watertight Devices

Features and Benefits





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14W33H

15W47H

60W47H

IP65, 66, 67
SUITABILITY

15A Straight Blade Plugs

Description	Color	Cord Dia.	2P 3W G W 15A 125V NEMA 5-15P UL CSA	2P 3W G 15A 250V NEMA 6-15P UL CSA	3P 3W 15A 125V 10A 600V NON-NEMA
Thermoplastic elastomer plugs.	Yellow	.300"-.625" (7.6-15.9)	**14W47H**	**14W49H**	**14W07H▲**
	Black		**14W47HBK**	—	—

15A Straight Blade Connectors/Receptacles*

Description	Color	Cord Dia.	2P 3W G W 15A 125V NEMA 5-15R UL CSA 0.5 HP	2P 3W G 15A 250V NEMA 6-15R UL CSA 1.5 HP	3P 3W 15A 125V 10A 600V NON-NEMA
Thermoplastic elastomer connectors.	Yellow	.300"-.625" (7.6-15.9)	**15W47H**	**15W49H**	**15W07H▲**
	Black		**15W47HBK**	—	—
Thermoplastic elastomer receptacles.	Yellow	—	**60W47H**	**60W49H**	—

IP65, 66, 67
SUITABILITY

20A Straight Blade Plugs

Description	Cord Dia.	2P 3W G W 20A 125V NEMA 5-20P UL CSA	2P 3W G 20A 250V NEMA 6-20P UL CSA
Thermoplastic elastomer yellow plugs.	.300"-.625" (7.6-15.9)	**14W33H**	**14W48H**	—

20A Straight Blade Connectors/Receptacles*

Description	Cord Dia.	2P 3W G W 20A 125V NEMA 5-20R UL CSA 1 HP	2P 3W G 20A 250V NEMA 6-20R UL CSA 2 HP
Thermoplastic elastomer yellow connectors.	.300"-.625" (7.6-15.9)	**15W33H•**	**15W48H•**	—
Thermoplastic elastomer yellow receptacles.	—	**60W33H**	**60W48H**	—

*Note: *Receptacles are NEMA 3R, IP44 suitability.*
Horsepower ratings for receptacle/plug connection are AC voltage only.
▲CSA certified only.
•UL listed only.

15A Twist-Lock® Plugs

IP65, 66, 67
SUITABILITY

Description	Cord Dia.	2P 3W 15A 125V NEMA L5-15P UL/CSA	2P 3W 15A 250V NEMA L6-15P UL/CSA	2P 3W 15A 277V AC NEMA L7-15P UL/CSA
Thermoplastic elastomer yellow plugs.	.300"-.625" (7.6-15.9)	**24W47H**	**24W49H**	**24W34H**

24W49H

15A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	2P 3W 15A 125V NEMA L5-15R UL/CSA 1 HP	2P 3W 15A 250V NEMA L6-15R UL/CSA 1.5 HP	2P 3W 15A 277V AC NEMA L7-15R UL/CSA 2 HP
Thermoplastic elastomer yellow connectors.	.300"-.625" (7.6-15.9)	**25W47H**	**25W49H**	**25W34H**
Thermoplastic elastomer yellow receptacles.	—	**65W47H**	**65W49H**	**65W34H**

25W49H

20A Twist-Lock® Plugs

IP65, 66, 67
SUITABILITY

Description	Cord Dia.	2P 3W 20A 125V NEMA L5-20P UL/CSA	2P 3W 20A 250V NEMA L6-20P UL/CSA	2P 3W 20A 277V AC NEMA L7-20P UL/CSA
Thermoplastic elastomer yellow plugs.	.475"-.720" (12.1-19.2)	**26W47H**	**26W48H**	**26W49H**

65W49H

20A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	2P 3W 20A 125V NEMA L5-20R UL/CSA 1 HP	2P 3W 20A 250V NEMA L6-20R UL/CSA 2 HP	2P 3W 20A 277V AC NEMA L7-20R UL/CSA 2 HP
Thermoplastic elastomer yellow connectors.	.475"-.720" (12.1-19.2)	**27W47H**	**27W48H**	**27W49H**
Thermoplastic elastomer yellow receptacles.	—	**67W47H**	**67W48H**	**67W49H**

*Note: *Receptacles are NEMA 3R, IP44 suitability.*
Horsepower ratings for receptacle/plug connection are AC voltage only.

28W48H

29W48H

69W48H

IP65, 66, 67
SUITABILITY

20A Twist-Lock® Plugs

Description	Color	Cord Dia.	3P 4W X W G Y 20A 125/250V AC NEMA L14-20P UL/CSA 2 (1) HP	3P 4W X Y G Z 20A 3Ø 250V AC NEMA L15-20P UL/CSA 3 HP	3P 4W X Y G Z 20A 3Ø 480V AC NEMA L16-20P UL/CSA 5 HP
Thermoplastic elastomer plugs.	Yellow Black	.560"-.775" (14.2-19.9)	**26W74H** **—**	**26W75H** **26W75HBK**	**26W76H** **26W76HBK**

20A Twist-Lock® Connectors/Receptacles*

Description	Color	Cord Dia.	3P 4W X G W Y 20A 125/250V NEMA L14-20R UL/CSA 2 (1) HP	3P 4W X G Y Z 20A 3Ø 250V AC NEMA L15-20R UL/CSA 3 HP	3P 4W X G Y Z 20A 3Ø 480V AC NEMA L16-20R UL/CSA 5 HP
Thermoplastic elastomer connectors.	Yellow Black	.560"-.775" (14.2-19.9)	**27W74H** **—**	**27W75H** **27W75HBK**	**27W76H** **27W76HBK**
Thermoplastic elastomer receptacles.	Yellow	—	**67W74H**	**67W75H**	**67W76H**

IP65, 66, 67
SUITABILITY

Non-NEMA 20A Twist-Lock® Plugs

Description	Cord Dia.	3P 3W Y W X 20A 125/250V Non-NEMA	4P 4W W X Z Y 20A 3Ø Y 120/208V AC Non-NEMA
Thermoplastic elastomer yellow plugs.	.475"-.720" (12.1-19.2)	**26W08H**	**26W09H**

Non-NEMA 20A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	3P 3W Y W X 20A 125/250V Non-NEMA	4P 4W W Z X Y 20A 3Ø Y 120/208V AC Non-NEMA
Thermoplastic elastomer yellow connectors.	.475"-.720" (12.1-19.2)	**27W08H**	**27W09H**
Thermoplastic elastomer yellow receptacles.	—	**67W08H**	**67W09H**

IP65, 66, 67
SUITABILITY

30A Twist-Lock® Plugs

Description	Cord Dia.	2P 3W W G 30A 125V NEMA L5-30P UL/CSA 2 HP	2P 3W X G Y 30A 250V NEMA L6-30P UL/CSA 2 HP	2P 3W W G 30A 277V AC NEMA L7-30P UL/CSA 3 HP
Thermoplastic elastomer yellow plugs.	.475"-.720" (12.1-19.2)	**28W47H**	**28W48H**	**28W49H**

30A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	2P 3W G W 30A 125V NEMA L5-30R UL/CSA 2 HP	2P 3W G X Y 30A 250V NEMA L6-30R UL/CSA 2 HP	2P 3W G W 30A 277V AC NEMA L7-30R UL/CSA 3 HP
Thermoplastic elastomer yellow connectors.	.475"-.720" (12.1-19.2)	**29W47H**	**29W48H**	**29W49H**
Thermoplastic elastomer yellow receptacles.	—	**69W47H**	**69W48H**	**69W49H**

*Note: *Receptacles are NEMA 3R, IP44 suitability.*

30A Twist-Lock® Plugs

IP65, 66, 67
SUITABILITY

Description	Cord Dia.	3P 4W 30A 125/250V NEMA L14-30P UL/CSA 2 (2) HP	3P 4W 30A 3Ø 250V AC NEMA L15-30P UL/CSA 3 HP	3P 4W 30A 3Ø 480V AC NEMA L16-30P UL/CSA 10 HP
Thermoplastic elastomer yellow plugs.	.640"-.930" (16.3-23.6)	**28W74H**	**28W75H**	**28W76H**

28W76H

30A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	3P 4W 30A 125/250V NEMA L14-30R UL/CSA 2 (2) HP	3P 4W 30A 3Ø 250V AC NEMA L15-30R UL/CSA 3 HP	3P 4W 30A 3Ø 480V AC NEMA L16-30R UL/CSA 10 HP
Thermoplastic elastomer yellow connectors.	.640"-.930" (16.3-23.6)	**29W74H**	**29W75H**	**29W76H**
Thermoplastic elastomer yellow receptacles.	—	**69W74H**	**69W75H**	**69W76H**

29W76H

30A Twist-Lock® Plugs

IP65, 66, 67
SUITABILITY

Description	Cord Dia.	3P 4W 30A 3Ø 600V AC NEMA L17-30P UL/CSA	4P 4W 30A 3ØY 120/208V AC NEMA L18-30P UL Listed 3 HP
Thermoplastic elastomer yellow plugs.	.640"-.930" (16.3-23.6)	**28W77H**	**28W78H**

69W76H

30A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	3P 4W 30A 3Ø 600V AC NEMA L17-30R UL/CSA	4P 4W 30A 3ØY 120/208V AC NEMA L18-30R UL Listed 3 HP
Thermoplastic elastomer yellow connectors.	.640"-.930" (16.3-23.6)	**29W77H**	**29W78H**
Thermoplastic elastomer yellow receptacles.	—	**69W77H**	**—**

Non-NEMA 30A Twist-Lock® Plugs

IP65, 66, 67
SUITABILITY

Description	Cord Dia.	3P 3W 30A 125/250V Non-NEMA	Cord Dia.	4P 4W 30A 3Ø Y 120/208V AC Non-NEMA
Thermoplastic elastomer yellow plugs.	.475"-.720" (12.1-19.2)	**28W08H**	.640"-.930" (16.3-23.6)	**28W09H•**

Non-NEMA 30A Twist-Lock® Connectors/Receptacles*

Description	Cord Dia.	3P 3W 30A 125/250V Non-NEMA	Cord Dia.	4P 4W 30A 3Ø Y 120/208V AC Non-NEMA
Thermoplastic elastomer yellow connectors.	.475"-.720" (12.1-19.2)	**29W08H•**	.640"-.930" (16.3-23.6)	**29W09H•**
Thermoplastic elastomer yellow receptacles.	—	**69W08H•**	—	**—**

*Note: *Receptacles are NEMA 3R, IP44 suitability.*
•UL listed only.

Weather Protective Lift Covers, Portable Outlet Boxes and Plates

6700H

3059H

3099H

3090FH

3000H

NEMA Type 3R Weather Protective Lift Covers**

Description	Catalog Number
Lift cover assembly; for use with 15A or 20A straight blade receptacles and 15A locking receptacle; receptacle not included.	**6500H**
Lift cover assembly; for use with locking 20A receptacles; receptacle not included.	**6700H**
Lift cover assembly; for use with locking 30A receptacles*; receptacle not included.	**6800H**

*Note: *When mating with 28W08H plug, use 6700H.*
***For use with FS/FD boxes.*

NEMA Type 1 Portable Outlet Box

Description	Catalog Number
Portable outlet box.	**3059H**
Portable outlet box; deep.	**3099H**
Portable outlet box with feed thru.	**3090FH**
Portable outlet box with (2) duplex cover plates.	**3000H**

Note: For use with NEMA Type 1 portable outlet box covers listed below.

NEMA Type 1 Portable Outlet Box Cover Plates

Description	Catalog Number
Outlet box lift cover, duplex receptacle.	**3056H**
Outlet box cover, duplex receptacle.	**3051H**
Outlet box lift cover, 1.39" diameter receptacle.	**3057H**
Outlet box cover, 1.39" diameter receptacle.	**3052H**
Outlet box lift cover, 1.572" diameter receptacle.	**3058H**
Outlet box cover, 1.572" diameter receptacle.	**3055H**
Outlet box lift cover; GFCI.	**3061H**
Outlet box cover; GFCI.	**3060H**
Outlet box cover plate, blank.	**3054H**

3056H

3057H

3058H

3061H

3051H

3052H

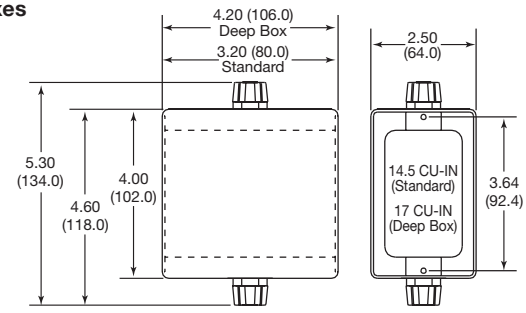
3055H

3060H

3054H

Dimensions

Portable Outlet Boxes



Dimensions in Inches (mm)

Heavy-Duty Portable Outlet Boxes and Plates

Heavy-Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	**HBLPOB1**
Box with cord strain relief, with one blank cover plate, black.	**HBLPOB1BK**
Box with cord strain relief, with two duplex (indoor) cover plates.	**HBLPOB1D**
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	**HBLPOB1DY**
Blank, non-metallic FS cover plate with foam gasket, gray.	**HBLP14FS**
Duplex, non-metallic FS cover plate, gray.	**HBLP8FS**
Duplex, non-metallic FS cover plate, yellow.	**HBLP8FSY**
Single receptacle (1.39"), non-metallic FS cover plate, gray.	**HBLP7FS**
Single receptacle (1.56"), non-metallic FS cover plate, gray.	**HBLP720FS**
Rectangular opening, non-metallic FS cover plate, gray.	**HBLP26FS**

HBLPOB1

Other Cover Plates and Devices

which may be used with Heavy-Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	**HBL5221, HBL52CM21**
Single receptacle (1.39") cover plate, weatherproof.	**HBL7423WO, HBL74CM23WO**
Single receptacle (1.56") cover plate, weatherproof.	**HBL7425WOA, HBL74CM25WOA**
Safety-Shroud Twist-Lock® surface receptacles.	**HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR**

Note: Standard product gray, CM yellow.

Cover Plates

Deluxe Cord Grips Straight Male Thread

Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches (cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500" (.95-1.27)	¾"	F3	**074011335**
.500"-.625" (1.27-1.59)	¾"	F3	**074011336**
.625"-.750" (1.59-1.90)	¾"	F3	**074011337**

Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches (cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500" (.95-1.27)	¾"	F3	**SHC1035CR**
.500"-.625" (1.27-1.59)	¾"	F3	**SHC1036CR**
.625"-.750" (1.59-1.90)	¾"	F3	**SHC1037CR**

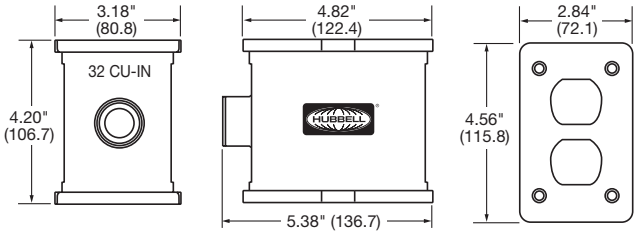
Deluxe Cord Grips (purchased separately)

Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

UL Listed CSA Certified	UL 514C, UL467 and UL50 Enclosures Types 1, 3R. C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).
Box Specifications:	
Moisture Resistance	Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates.
Flammability	UL 94V-0, 94-5VA classification.
Operating Temperature	80°C maximum; -35°C minimum.
UV Resistance	All materials are UV stabilized.
Impact and Crush Resistance	in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94.
Material	Valox®.
Cord Connector Materials	Nylon nut; Nylon Gotcha® ring; Neoprene grommet.
Cord Diameter Range	.38" to .75" diameter.
Bonding Strap Material	Brass.
Threaded Inserts	Brass.
Grounding Screw Material	Brass.
Indoor Cover Plate Screws Material	Zinc Plated Steel.
Outdoor Cover Plate Screws Material	Stainless Steel.
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant).

Gray Nylon Cord Connector

Dimensions



HBLPOB1

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Specifications

Listings (Plug/Connector and Flip Lid Assembly)

Listed to UL498.
Certified to CSA C22.2 No. 42.
Meets NEMA WD-1, WD-6 and ANSI standards.

Materials

Plug/Connector

Part	Materials
Blade/Contact Carrier	PBT Thermoplastic, yellow
Terminal Retainer	Polycarbonate, clear
Housing	Thermoplastic Elastomer, yellow
Housing Insert	Polypropylene, natural
Strain Relief Nut	PBT Thermoplastic, gray
Grommet	Thermoplastic Elastomer, various colors
Ferrule	Polypropylene, natural
Blades/Contacts	Brass, nickel
Terminal Screws	Steel, chromate
Terminal Screw Size	#8-32
Body Holding Screws	Stainless steel
Drive Screws	Steel, chromate

Flip Lid Assembly (see connector for device materials)

Part	Materials
Flip lid and cover plate	PBT Thermoplastic, yellow
Sealing Collar	Thermoplastic elastomer, yellow
Mounting Plate	Stainless steel
Spring	Stainless steel
Hinge Pin	Stainless steel
Mounting Screws	Stainless steel

Portable Outlet box and Accessories

Part	Materials
Box Enclosure	Thermoplastic Elastomer, yellow
Strain Relief Nut	PBT Thermoplastic, gray
Grommet	Thermoplastic Elastomer, various colors
Ferrule	Polypropylene, natural
Strain relief insert	Nylon, yellow
Locknut	Steel, zinc plate
Threaded inserts	Polypropylene, natural
Strain relief wire	Brass
Duplex receptacle screw	Stainless steel
Cover plate screws	Steel, black oxide
Cover Plate	Nylon, gray
Flip covers	PBT Thermoplastic, yellow
Flip cover seal	Foam rubber, black
Cover plate Spring	Stainless steel
Hinge Pin	Aluminum
Hinge bracket	Stainless steel
Rivets	Brass

Performance

Electrical

Dielectric Voltage	
Connectors:	2000V AC if rated 300V or less 3000V AC if rated above 300V
Plugs:	2500V AC if rated 300V or less 3500V AC if rated above 300V
Max Working Voltage	As marked
Current Interrupting	Rated for current interruption per UL498
Temperature Rise	30°C max per UL498 at rated current

Mechanical

Cord and terminal accommodations:

Plugs and Connectors

15 and 20A straight blade and 15A locking	Types S, SO, ST, SJ, SJO, SJT 18/3 to 12/3, .300 min. to .625 in. max (7.6 to 15.9 mm) dia.
20 and 30A 3-wire locking	12/3 SJ, 14/3 S to 10/3 S (.475" to .720") (12.1 mm to 19.2 mm)
20A 4-wire locking	14/4 S to 10/4 S (.560" to .775") (14.2 mm to 19.9 mm)
30A 4-wire locking	12/4 S to 8/4 S, 6/4 MSHA (.640" to .930") (16.3 mm to 23.6 mm)

Receptacles – use solid or stranded building wire or flexible cord only as outlined below:

All 15 and 20A straight blade	18 AWG to 12 AWG
20A locking and 30A 3-wire	14 AWG to 10 AWG
30A 4-wire	12 AWG to 6 AWG

Portable Outlet Boxes

All	16/3 SO through 12/3 SO cord
Wiring Volume	Standard - 14.5 cu. in. Deep - 17 cu. in.

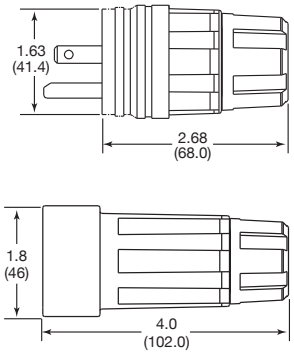
Environmental

Moisture Resistance	NEMA 4, 4X, 12, 6, 6P (Plug and Connector only) NEMA 3R (Flip lid assemblies) NEMA TYPE 1 (Portable Outlet Box)
Flammability	UL94V0 (boxes and wiring device interiors) UL94V2 (cover plates) UL94HB (wiring device housings, flip lid seals)
Operating temperatures	-40°C (without impact) to +60°C continuous
UV resistance	All exposed materials are UV stabilized

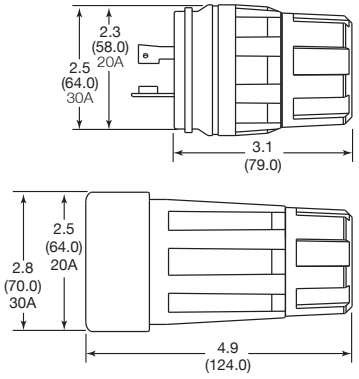
Dimensions

Watertight Plugs and Connectors

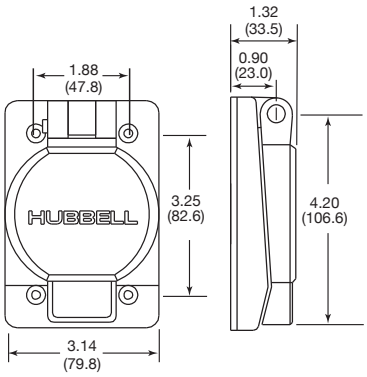
Straight Blade and 15A Locking



Locking



Receptacles with Lift Cover and Cover Assemblies



Dimensions in Inches (mm)

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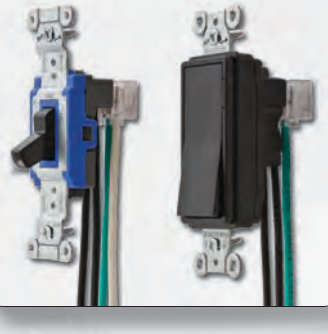
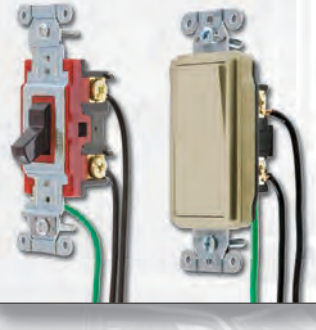
SNAP*Connect*® Switches

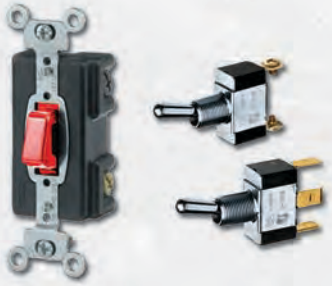


Toggle Switches

Pre-Wired/Leaded Switches



PresSwitch® and Panel Mount Switches



Steel, zinc plated bridge is corrosion resistant

Installation ease, automatic self-grounding staple assures continuity to wall box

Pilot and Illuminated versions use LEDs for longer life

Thread cleaning captive mounting screw

SNAP1221ILB

Installation ease, automatic self-grounding staple assures continuity to wall box

Termination method uses a SNAP-In Connector. Wiring the connector into the wall box can be done prior to trim out. Changing or replacing switches is also a "SNAP"

Large silver alloy contacts reduce contact erosion providing long life

Thread cleaning captive mounting screw

Steel, zinc plated bridge is corrosion resistant

SNAP2101BK

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

3 Wire Connector for Single Pole and Single Pole Illuminated

SNAPSP1NA
SNAPSP2NA

4 Wire Connector for Single Pole Pilot Light Switch

SNAPSPP1NA
SNAPSPP2NA

4 Wire Connector for Three Way and Three Way Illuminated

SNAP3W1NA
SNAP3W2NA

HBL® Extra Heavy Duty Industrial Grade

Features and Benefits

Steel, nickel plated bridge is corrosion resistant

Prominent amperage marking allows easy identification of rating

Abuse resistant nylon toggle

One piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment providing long life

One piece bridge with integral grounding terminal with #8 brass screw provides a low resistance ground path

Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box

Thread cleaning captive mounting screw

Strip gauge for accurate wiring

Large silver alloy contacts reduce contact erosion providing long life

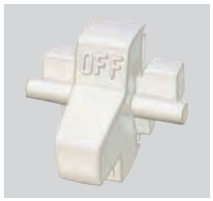
Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing

Large brass binding head screws with deep slots secure wire connections

Color coded base identifies amperage when terminating connections, 15A (Blue), 20A (Red), and 30A (Green)

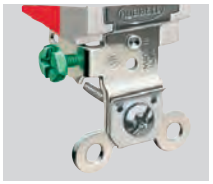
HBL1221I

One piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise. Large silver alloy contacts reduce contact erosion and prevent welding, providing long life.



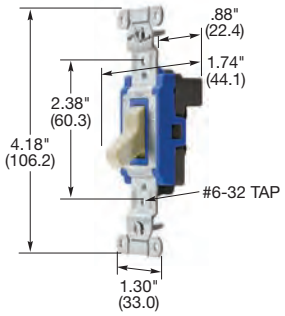
Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments.

Elastomer rocker assures quiet operation and precise timing. Permanently lubricated assembly provides long life and trouble free operation.

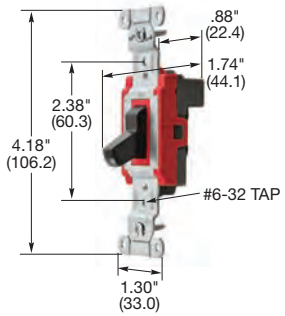


One piece integral grounding terminal with #8 brass screw allows compliance to NEC®. Stainless steel automatic self-grounding clip assures grounding continuity between mounting strap and metal wall box. Steel nickel plated mounting strap provides a corrosion resistant finish.

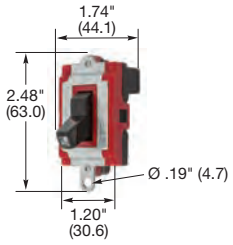
NEC® is a registered trademark of the National Fire Protection Association (NFPA).



SNAP1201INA



SNAP1221BKNA



SNAPSWJUMP

SNAPSP1NA

SNAPSPP1NA

SNAP3W1NA

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

SNAP*Connect*® Specification Grade Toggle Series, Assembled in USA

15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Toggle.	Black	**SNAP1201BKNA**	—	**SNAP1203BKNA**	—
	Brown	**SNAP1201BRNA**	—	**SNAP1203BRNA**	—
	Gray	**SNAP1201GYNA**	—	**SNAP1203GYNA**	—
	Ivory	**SNAP1201INA**	—	**SNAP1203INA**	—
	Lt. Almond	**SNAP1201LANA**	—	**SNAP1203LANA**	—
	Red	**SNAP1201RNA**	—	**SNAP1203RNA**	—
	White	**SNAP1201WNA**	—	**SNAP1203WNA**	—

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Toggle.	Black	**SNAP1221BKNA**	—	**SNAP1223BKNA**	—
	Brown	**SNAP1221BRNA**	—	**SNAP1223BRNA**	—
	Gray	**SNAP1221GYNA**	—	**SNAP1223GYNA**	—
	Ivory	**SNAP1221INA**	—	**SNAP1223INA**	—
	Lt. Almond	**SNAP1221LANA**	—	**SNAP1223LANA**	—
	Red	**SNAP1221RNA**	—	**SNAP1223RNA**	—
	White	**SNAP1221WNA**	—	**SNAP1223WNA**	—

Illuminated, Light On with Load Off

15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light On with Load Off, Toggle, Blue LED.	Black	**SNAP1201ILBKNA**	—	**SNAP1203ILBKNA**	—
	Ivory	**SNAP1201ILINA**	—	**SNAP1203ILINA**	—
	Red	**SNAP1201ILRNA**	—	**SNAP1203ILRNA**	—
	White	**SNAP1201ILWNA**	—	**SNAP1203ILWNA**	—

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light On with Load Off, Toggle, Blue LED.	Black	**SNAP1221ILBKNA**	—	**SNAP1223ILBKNA**	—
	Ivory	**SNAP1221ILINA**	—	**SNAP1223ILINA**	—
	Red	**SNAP1221ILRNA**	—	**SNAP1223ILRNA**	—
	White	**SNAP1221ILWNA**	—	**SNAP1223ILWNA**	—

Pilot, Light On with Load On

15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light On with Load On, Toggle, Red LED.	Black	**SNAP1201PLBKNA**	—	—	—
	Ivory	**SNAP1201PLINA**	—	—	—
	Red	**SNAP1201PLRNA**	—	—	—
	White	**SNAP1201PLWNA**	—	—	—

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light On with Load On, Toggle, Red LED.	Black	**SNAP1221PLBKNA**	—	—	—
	Ivory	**SNAP1221PLINA**	—	—	—
	Red	**SNAP1221PLRNA**	—	—	—
	White	**SNAP1221PLWNA**	—	—	—

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	**SNAPSWJUMP**
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	**SNAP3WJUMP**

SNAP*Connect*® Switch Pigtailed Connector, Assembled in USA

Description	Single Pole (3 Wires)	Single Pole with Pilot	3 Way (4 Wires)
Clear right angle terminal, 6 inch leads, solid wire.	**SNAPSP1NA**	**SNAPSPP1NA**	**SNAP3W1NA**
Clear right angle terminal, 6 inch leads, stranded wire.	**SNAPSP2NA**	**SNAPSPP2NA**	**SNAP3W2NA**

Note: See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

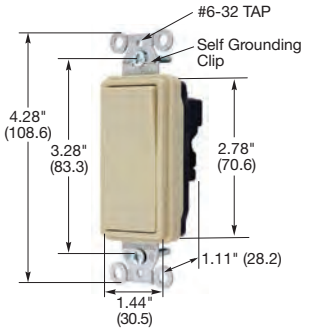
SNAP*Connect*® Spec. Grade Style Line® Decorator Series, Assembled in USA

15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Rocker.	Black	**SNAP2101BKNA**	—	**SNAP2103BKNA**	—
	Brown	**SNAP2101BRNA**	—	**SNAP2103BRNA**	—
	Gray	**SNAP2101GYNA**	—	**SNAP2103GYNA**	—
	Ivory	**SNAP2101INA**	—	**SNAP2103INA**	—
	Lt. Almond	**SNAP2101LANA**	—	**SNAP2103LANA**	—
	Red	**SNAP2101RNA**	—	**SNAP2103RNA**	—
	White	**SNAP2101WNA**	—	**SNAP2103WNA**	—

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Rocker.	Black	**SNAP2121BKNA**	—	**SNAP2123BKNA**	—
	Brown	**SNAP2121BRNA**	—	**SNAP2123BRNA**	—
	Gray	**SNAP2121GYNA**	—	**SNAP2123GYNA**	—
	Ivory	**SNAP2121INA**	—	**SNAP2123INA**	—
	Lt. Almond	**SNAP2121LANA**	—	**SNAP2123LANA**	—
	Red	**SNAP2121RNA**	—	**SNAP2123RNA**	—
	White	**SNAP2121WNA**	—	**SNAP2123WNA**	—



SNAP2101INA

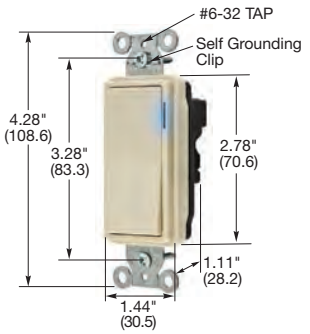
Illuminated, Light On with Load Off

15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light On with Load Off, Rocker, Blue LED.	Black	**SNAP2101ILBKNA**	—	**SNAP2103ILBKNA**	—
	Ivory	**SNAP2101ILINA**	—	**SNAP2103ILINA**	—
	Red	**SNAP2101ILRNA**	—	**SNAP2103ILRNA**	—
	White	**SNAP2101ILWNA**		**SNAP2103ILWNA**	

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light On with Load Off, Rocker, Blue LED.	Black	**SNAP2121ILBKNA**	—	**SNAP2123ILBKNA**	—
	Ivory	**SNAP2121ILINA**	—	**SNAP2123ILINA**	—
	Red	**SNAP2121ILRNA**	—	**SNAP2123ILRNA**	—
	White	**SNAP2121ILWNA**		**SNAP2123ILWNA**	



SNAP2121ILINA

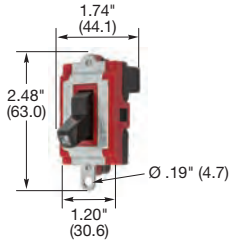
Pilot, Light On with Load On

15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light On with Load On, Rocker, Red LED.	Black	**SNAP2101PLBKNA**	—	—	—
	Ivory	**SNAP2101PLINA**	—	—	—
	Red	**SNAP2101PLRNA**	—	—	—
	White	**SNAP2101PLWNA**			

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light On with Load On, Rocker, Red LED.	Black	**SNAP2121PLBKNA**	—	—	—
	Ivory	**SNAP2121PLINA**	—	—	—
	Red	**SNAP2121PLRNA**	—	—	—
	White	**SNAP2121PLWNA**			



SNAPSWJUMP

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	**SNAPSWJUMP**
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	**SNAP3WJUMP**

SNAP*Connect*® Switch Pigtailed Connector, Assembled in USA

Description	Single Pole (3 Wires)	Single Pole with Pilot	3 Way (4 Wires)
Clear right angle terminal, 6 inch leads, solid wire.	**SNAPSP1NA**	**SNAPSPP1NA**	**SNAP3W1NA**
Clear right angle terminal, 6 inch leads, stranded wire.	**SNAPSP2NA**	**SNAPSPP2NA**	**SNAP3W2NA**

SNAPSP1NA

SNAPSPP1NA

SNAP3W1NA

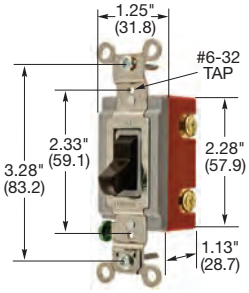
Note: *See page D-13 for accessories.*
See page D-15 for wallplates.
See page D-20 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

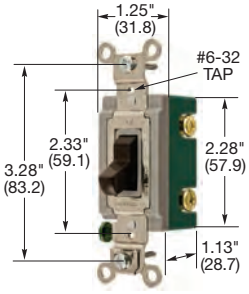
HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)



HBL1221



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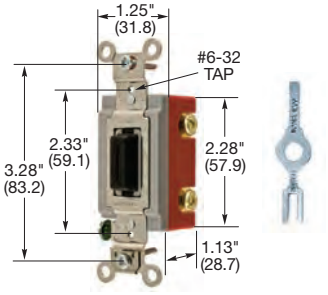
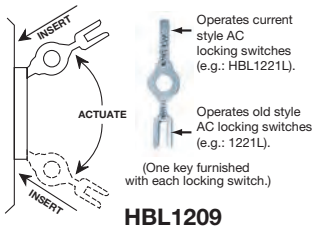
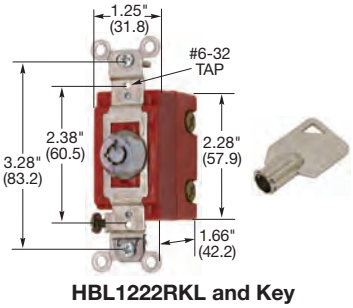


HBL1221L and Key



HBL1209



HBL1222RKL and Key

Dimensions in Inches (mm)

HBL Extra Heavy Duty Industrial Series, Back and Side Wired
15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**HBL1201BK**	—	**HBL1203BK**	**HBL1204BK**
	Brown	**HBL1201**	**HBL1202**	**HBL1203**	**HBL1204**
	Gray	**HBL1201GY**	—	**HBL1203GY**	**HBL1204GY**
	Ivory	**HBL1201I**	**HBL1202I**	**HBL1203I**	**HBL1204I**
	Light Almond	**HBL1201LA**	—	—	—
	Red	**HBL1201R**	—	—	—
	White	**HBL1201W**	—	**HBL1203W**	**HBL1204W**

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**HBL1221BK**	**HBL1222BK**	**HBL1223BK**	**HBL1224BK**
	Brown	**HBL1221**	**HBL1222**	**HBL1223**	**HBL1224**
	Gray	**HBL1221GY**	**HBL1222GY**	**HBL1223GY**	**HBL1224GY**
	Ivory	**HBL1221I**	**HBL1222I**	**HBL1223I**	**HBL1224I**
	Light Almond	**HBL1221LA**	**HBL1222LA**	**HBL1223LA**	**HBL1224LA**
	Office White	**HBL1221OW**	**HBL1222OW**	**HBL1223OW**	**HBL1224OW**
	Red	**HBL1221R**	**HBL1222R**	**HBL1223R**	**HBL1224R**
	White	**HBL1221W**	**HBL1222W**	**HBL1223W**	**HBL1224W**

30A, 120-277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle.	Brown	**HBL3031**	**HBL3032**	**HBL3033**	—
	Ivory	**HBL3031I**	**HBL3032I**	**HBL3033I**	—
	White	—	**HBL3032W**	—	—

HBL Extra Heavy Duty Industrial Locking Series, Back and Side Wired
15A, 120-277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	**HBL1201L**	**HBL1202L**	**HBL1203L**	**HBL1204L**
	Gray	**HBL1201LG**	**HBL1202LG**	**HBL1203LG**	**HBL1204LG**
	Ivory	**HBL1201LI**	**HBL1202LI**	**HBL1203LI**	**HBL1204LI**
	White	**HBL1201LW**	**HBL1202LW**	**HBL1203LW**	**HBL1204LW**
Key for Locking switch.		**HBL1209***			

20A, 120-277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	**HBL1221L**	**HBL1222L**	**HBL1223L**	**HBL1224L**
	Gray	**HBL1221LG**	**HBL1222LG**	**HBL1223LG**	**HBL1224LG**
	Ivory	**HBL1221LI**	**HBL1222LI**	**HBL1223LI**	**HBL1224LI**
	White	**HBL1221LW**	**HBL1222LW**	**HBL1223LW**	**HBL1224LW**
Key for Locking switch.		**HBL1209***			

HBL Extra Heavy Duty Industrial AC Barrel Key Locking Switch†, Back and Side Wired
20A, 120-277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Chrome operator, back and side wired.	Chrome	**HBL1221RKL****	**HBL1222RKL****	**HBL1223RKL****	**HBL1224RKL****
Replacement Barrel Key.		**HBL1209RKL***			

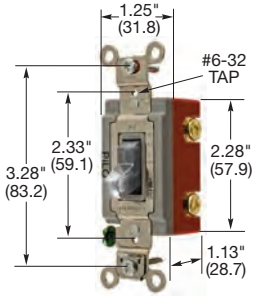
Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
**Not UL Listed, CSA Certified.*
***Not Fed. Spec.*
† See Wallplate section, page N-17 for wallplates.
See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

HBL Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light On with Load Off, Back and Side Wired

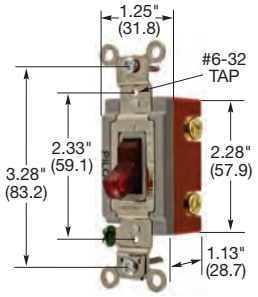
Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Ivory	15A 120-277V AC	**HBL1201IL**	—	**HBL1203IL**
	Ivory	20A 120-277V AC	**HBL1221IL**	—	**HBL1223IL**
	Clear		**HBL1221ILC**	—	**HBL1223ILC**
	Red		**HBL1221ILR**	—	—



HBL1221ILC

HBL Extra Heavy Duty Industrial Series, Pilot Light Switches, Light On with Load On, Back and Side Wired

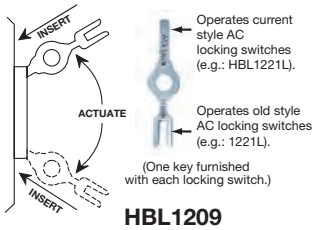
Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Red	15A 120-277V AC	**HBL1201PL**	—	**HBL1203PL**
	Red	20A 120-277V AC	**HBL1221PL**	**HBL1222PL**	**HBL1223PL**
	Clear		**HBL1221PLC**	—	**HBL1223PLC**
	Green		**HBL1221PLG**	—	—
	Red	30A 120-277V AC	**HBL3031PL**	**HBL3032PL**	—



HBL1221PL

Momentary Contact, Specification Grade, Three Position, Two Circuit, Center Off, Back and Side Wired

Description	Toggle Color	15A, 120-277V AC	20A, 120-277V AC
Nylon toggle, back and side wired.	Brown	**HBL1556**	**HBL1557**
	Gray	**HBL1556GY**	**HBL1557GY**
	Ivory	**HBL1556I**	**HBL1557I**
	Red	**HBL1556R**	—
	White	**HBL1556W**	**HBL1557W**
Key guide, back and side wired.	Black	**HBL1556L**	**HBL1557L**
	Gray	**HBL1556LG**	**HBL1557LG**
	Ivory	**HBL1556LI**	**HBL1557LI**
	White	**HBL1556LW**	**HBL1557LW**
Key for Locking switch.		**HBL1209***	



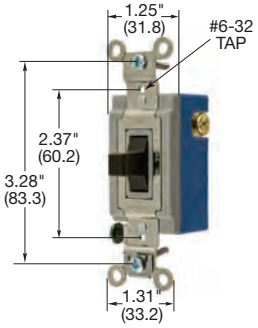
HBL1209

Maintained Contact, Specification Grade, Three Position, Two Circuit, Center Off, Single Pole, Double Throw

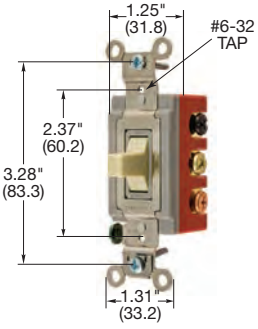
Description	Toggle Color	15A 120-277V AC	20A 120-277V AC	30A 120-277V AC
Nylon toggle, back and side wired.	Brown	**HBL1381**	**HBL1385**	—
	Ivory	**HBL1381I**	**HBL1385I**	—
	White	—	**HBL1385W**	—

Three Position, Two Circuit, Center Off, Double Pole, Double Throw

Description	Toggle Color	15A 120-277V AC	20A 120-277V AC	30A 120-277V AC
Nylon toggle, back and side wired.	Brown	**HBL1382**	**HBL1386**	**HBL1388**
	Ivory	**HBL1382I**	**HBL1386I**	**HBL1388I**
Locking.		—	**HBL1386L**	—
Key for Locking switch.		—	**HBL1209***	—



HBL1381



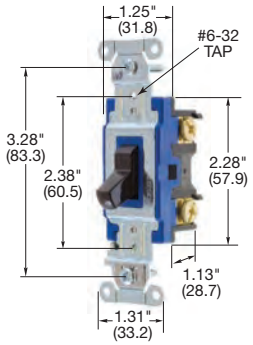
HBL1386I

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
**Not UL Listed, CSA Certified.*
See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Dimensions in Inches (mm)



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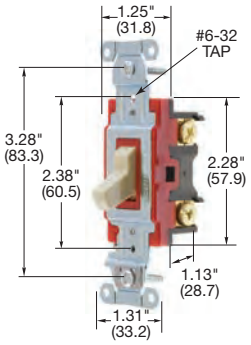

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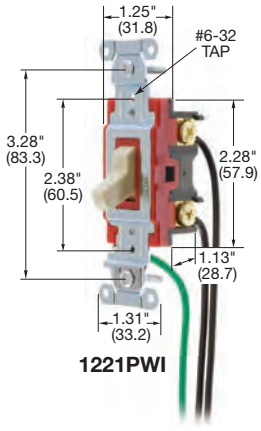

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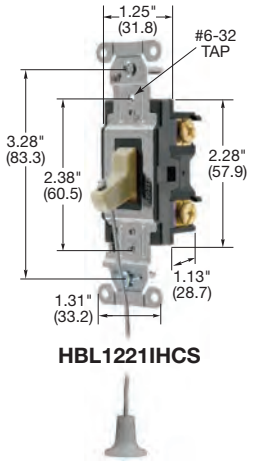


HBL1221IHCS

Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Industrial Series, 15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Almond	**1201AL**	—	**1203AL**	—
	Black	**1201BK**	—	**1203BK**	—
	Brown	**1201B**	—	**1203B**	—
	Gray	**1201GY**	—	**1203GY**	—
	Ivory	**1201I**	—	**1203I**	—
	Light Almond	**1201LA**	—	**1203LA**	—
	White	**1201W**	—	**1203W**	—

Hubbell-PRO Heavy Duty Industrial Series, 20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Almond	**1221AL**	**1222AL**	**1223AL**	**1224AL**
	Black	**1221BK**	**1222BK**	**1223BK**	**1224BK**
	Brown	**1221B**	**1222B**	**1223B**	**1224B**
	Gray	**1221GY**	**1222GY**	**1223GY**	**1224GY**
	Ivory	**1221I**	**1222I**	**1223I**	**1224I**
	Light Almond	**1221LA**	**1222LA**	**1223LA**	**1224LA**
	Red	**1221R**	**1222R**	**1223R**	**1224R**
	White	**1221W**	**1222W**	**1223W**	**1224W**

Hubbell-PRO Pre-Wired/Leaded Heavy Duty Industrial Series 20A, 120-277V AC - 8" #12 AWG THHN

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Pre-wired leads.	Almond	**1221PWAL**	**1222PWAL**	**1223PWAL**	**1224PWAL**
	Black	**1221PWBK**	**1222PWBK**	**1223PWBK**	**1224PWBK**
	Brown	**1221PWB**	**1222PWB**	**1223PWB**	**1224PWB**
	Gray	**1221PWGY**	**1222PWGY**	**1223PWGY**	**1224PWGY**
	Ivory	**1221PWI**	**1222PWI**	**1223PWI**	**1224PWI**
	Light Almond	**1221PWLA**	**1222PWLA**	**1223PWLA**	**1224PWLA**
	Red	**1221PWR**	**1222PWR**	**1223PWR**	**1224PWR**
	White	**1221PWW**	**1222PWW**	**1223PWW**	**1224PWW**

Hubbell-PRO Hospital Call Switch, with Lanyard 20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Gray	**HBL1221GHCS**	—	—	—
	Ivory	**HBL1221IHCS**	—	—	—
	White	**HBL1221WHCS**	—	—	—

Note: See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

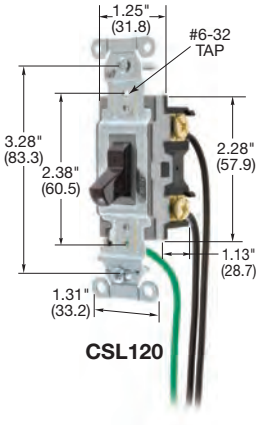
Pre-Wired/Leaded Toggle Series Specification Grade
15A, 120-277V AC - 8" #12 AWG THHN

Fed.Spec.

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Almond	**CSL115AL**	**CSL215AL**	**CSL315AL**	**CSL415AL**
	Black	**CSL115BK**	**CSL215BK**	**CSL315BK**	**CSL415BK**
	Brown	**CSL115**	**CSL215**	**CSL315**	**CSL415**
	Gray	**CSL115GY**	**CSL215GY**	**CSL315GY**	**CSL415GY**
	Ivory	**CSL115I**	**CSL215I**	**CSL315I**	**CSL415I**
	Light Almond	**CSL115LA**	**CSL215LA**	**CSL315LA**	**CSL415LA**
	Office White	**CSL115OW**	**CSL215OW**	**CSL315OW**	**CSL415OW**
	White	**CSL115W**	**CSL215W**	**CSL315W**	**CSL415W**

20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Almond	**CSL120AL**	**CSL220AL**	**CSL320AL**	**CSL420AL**
	Black	**CSL120BK**	**CSL220BK**	**CSL320BK**	**CSL420BK**
	Brown	**CSL120**	**CSL220**	**CSL320**	**CSL420**
	Gray	**CSL120GY**	**CSL220GY**	**CSL320GY**	**CSL420GY**
	Ivory	**CSL120I**	**CSL220I**	**CSL320I**	**CSL420I**
	Light Almond	**CSL120LA**	**CSL220LA**	**CSL320LA**	**CSL420LA**
	Office White	**CSL120OW**	**CSL220OW**	**CSL320OW**	**CSL420OW**
	Red	**CSL120R**	**CSL220R**	**CSL320R**	**CSL420R**
	White	**CSL120W**	**CSL220W**	**CSL320W**	**CSL420W**



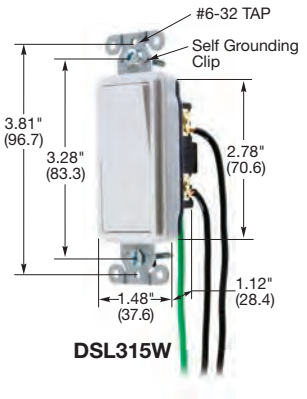
CSL120

Pre-Wired/Leaded Decorator Series Specification Grade
15A, 120-277V AC - 8" #12 AWG THHN

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads.	Almond	**DSL115AL**	—	**DSL315AL**	—
	Black	**DSL115BK**	—	**DSL315BK**	—
	Brown	**DSL115**	—	**DSL315**	—
	Gray	**DSL115GY**	—	**DSL315GY**	—
	Ivory	**DSL115I**	—	**DSL315I**	—
	Light Almond	**DSL115LA**	—	**DSL315LA**	—
	Office White	**DSL115OW**	—	**DSL315OW**	—
	White	**DSL115W**	—	**DSL315W**	—

20A, 120-277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads.	Almond	**DSL120AL**	**DSL220AL**	**DSL320AL**	**DSL420AL**
	Black	**DSL120BK**	**DSL220BK**	**DSL320BK**	**DSL420BK**
	Brown	**DSL120**	**DSL220**	**DSL320**	**DSL420**
	Gray	**DSL120GY**	**DSL220GY**	**DSL320GY**	**DSL420GY**
	Ivory	**DSL120I**	**DSL220I**	**DSL320I**	**DSL420I**
	Light Almond	**DSL120LA**	**DSL220LA**	**DSL320LA**	**DSL420LA**
	Office White	**DSL120OW**	**DSL220OW**	**DSL320OW**	**DSL420OW**
	White	**DSL120W**	**DSL220W**	**DSL320W**	**DSL420W**



DSL315W

Illuminated, Light On with Load Off
20A, 120-277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads, Blue LED.	Ivory	**DSL120IL**	—	**DSL320IL**	—
	White	**DSL120ILW**	—	**DSL320ILW**	—

Pilot, Light On with Load On
20A, 120-277V AC

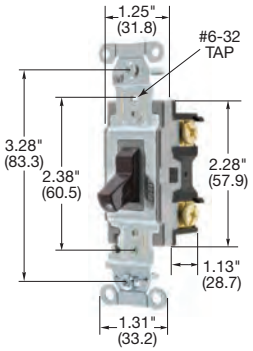
Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads, Red LED.	Red	**DSL120PL**	—	—	—

Note: *See page D-13 for accessories.*
See page D-15 for wallplates.
See page D-20 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)



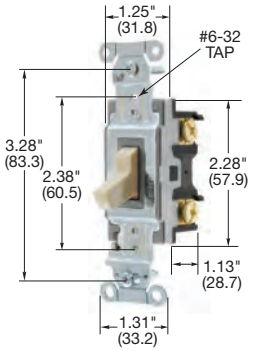
CSB120

Specification Grade Commercial Series, 15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Almond	**CSB115AL**	**CSB215AL**	**CSB315AL**	**CSB415AL**
	Black	**CSB115BK**	**CSB215BK**	**CSB315BK**	**CSB415BK**
	Brown	**CSB115**	**CSB215**	**CSB315**	**CSB415**
	Gray	**CSB115GY**	**CSB215GY**	**CSB315GY**	**CSB415GY**
	Ivory	**CSB115I**	**CSB215I**	**CSB315I**	**CSB415I**
	Light Almond	**CSB115LA**	**CSB215LA**	**CSB315LA**	**CSB415LA**
	White	**CSB115W**	**CSB215W**	**CSB315W**	**CSB415W**

Specification Grade Commercial Series, 20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Almond	**CSB120AL**	**CSB220AL**	**CSB320AL**	**CSB420AL**
	Black	**CSB120BK**	**CSB220BK**	**CSB320BK**	**CSB420BK**
	Brown	**CSB120**	**CSB220**	**CSB320**	**CSB420**
	Gray	**CSB120GY**	**CSB220GY**	**CSB320GY**	**CSB420GY**
	Ivory	**CSB120I**	**CSB220I**	**CSB320I**	**CSB420I**
	Light Almond	**CSB120LA**	**CSB220LA**	**CSB320LA**	**CSB420LA**
	Red	**CSB120R**	**CSB220R**	**CSB320R**	**CSB420R**
	White	**CSB120W**	**CSB220W**	**CSB320W**	**CSB420W**



CS115I

Specification Grade Commercial Series, 15A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Almond	**CS115AL**	—	**CS315AL**	—
	Black	**CS115BK**	—	**CS315BK**	—
	Brown	**CS115**	—	**CS315**	—
	Gray	**CS115GY**	—	**CS315GY**	—
	Ivory	**CS115I**	—	**CS315I**	—
	Light Almond	**CS115LA**	—	**CS315LA**	—
	White	**CS115W**	—	**CS315W**	—

Specification Grade Commercial Series, 20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Almond	**CS120AL**	—	**CS320AL**	—
	Black	**CS120BK**	—	**CS320BK**	—
	Brown	**CS120**	—	**CS320**	—
	Gray	**CS120GY**	—	**CS320GY**	—
	Ivory	**CS120I**	—	**CS320I**	—
	Light Almond	**CS120LA**	—	**CS320LA**	—
	White	**CS120W**	—	**CS320W**	—

Note: See page D-9 for pre-wired/leaded devices.
See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

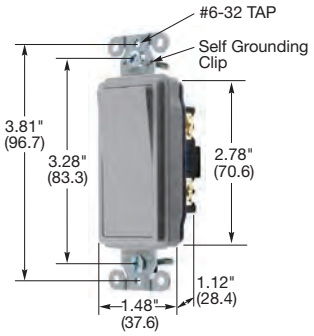
HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Style Line® Decorator Series Specification Grade, 15A, 120-277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Almond	**DS115AL**	—	**DS315AL**	—
	Black	**DS115BK**	—	**DS315BK**	—
	Brown	**DS115**	—	**DS315**	—
	Gray	**DS115GY**	—	**DS315GY**	—
	Ivory	**DS115I**	—	**DS315I**	—
	Light Almond	**DS115LA**	—	**DS315LA**	—
	Office White	**DS115OW**	—	**DS315OW**	—
	White	**DS115W**	—	**DS315W**	—



DS115GY

Style Line® Decorator Series Specification Grade, 20A, 120-277V AC

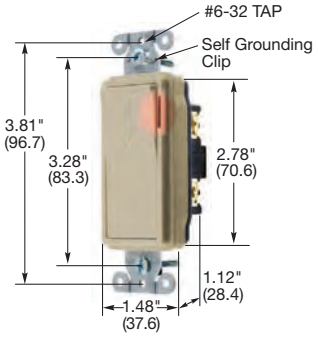
Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Almond	**DS120AL**	**DS220AL**	**DS320AL**	**DS420AL**
	Black	**DS120BK**	**DS220BK**	**DS320BK**	**DS420BK**
	Brown	**DS120**	**DS220B**	**DS320**	**DS420**
	Gray	**DS120GY**	**DS220GY**	**DS320GY**	**DS420GY**
	Ivory	**DS120I**	**DS220I**	**DS320I**	**DS420I**
	Light Almond	**DS120LA**	**DS220LA**	**DS320LA**	**DS420LA**
	Office White	**DS120OW**	**DS220OW**	**DS320OW**	**DS420OW**
	Red	**DS120R**	**DS220R**	**DS320R**	**DS420R**
	White	**DS120W**	**DS220W**	**DS320W**	**DS420W**

Style Line® Decorator Series Specification Grade, Illuminated, Light On with Load Off 20A, 120-277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Blue LED, back and side wired.	Black	**DS120ILBK**	—	**DS320ILBK**	—
	Ivory	**DS120IL**	—	**DS320IL**	—
	White	**DS120ILW**	—	**DS320ILW**	—

Style Line® Decorator Series Specification Grade, Pilot, Light On with Load On 20A, 120-277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Red LED, back and side wired.	Black	**DS120PLBK**	—	—	—
	Ivory	**DS120PLI**	—	—	—
	White	**DS120PLW**	—	—	—



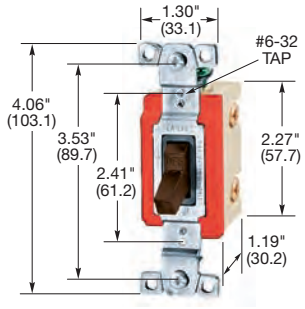
DS120PLI

Note: *See page D-9 for pre-wired/leaded devices.*
See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)



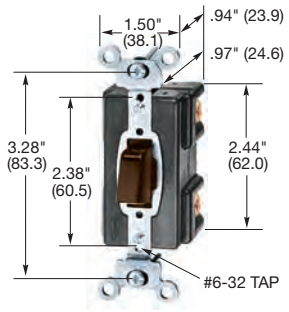
HBL18221CN

HBL® Extra Heavy Duty Industrial Series
15A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown Ivory	**HBL18201CN** **HBL18201ICN**	— —	**HBL18203CN** **HBL18203ICN**	— **HBL18204ICN**
Locking.		**HBL18201LCN**	—	**HBL18203LCN**	—
Key for Locking switch.		**HBL1209***			

HBL® Extra Heavy Duty Industrial Series
20A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown Ivory	**HBL18221CN** **HBL18221ICN**	— —	**HBL18223CN** **HBL18223ICN**	— **HBL18224ICN**



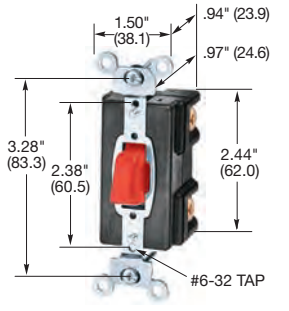
HBL1281

PresSwitch® Specification Grade Push Button, Standard Type
20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator, side wired only.	Brown Ivory	**HBL1281** **HBL1281I**	**HBL1282** **HBL1282I**	**HBL1283*** **HBL1283I***	**HBL1284*** **HBL1284I***

Momentary Type•
20A, 120-277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Circuit normally closed, side wired only.	Brown	**HBL1281MC***	—	—	—
Circuit normally open, side wired only.	Brown	**HBL1281MO***	—	—	—



HBL1297

Illuminated and Pilot Light PresSwitch®,
120V AC Lighted Actuator, Light On with Load Off•

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
15A, nylon actuator.	Ivory	—	—	—	**HBL1259I***
20A, nylon actuator.	Ivory	**HBL1287I**	—	**HBL1288I***	—

Pilot Light Actuator, Light On with Load On
20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator.	Red	**HBL1297**	—	**HBL1298***	—

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
**Not UL Listed, CSA Certified.*
•Not HP rated.
See page D-13 for accessories.
See page D-15 for wallplates.
See page D-20 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Dimensions in Inches (mm)

IP44 SUITABILITY

Pilot Light, 120-277V AC

Description	Catalog Number
Red neon pilot light, back and side wired, fits standard switch plate.	**HBL1220RJ**

HBL1220RJ

Brass Locking Attachment for Switches Available in Master Keying and Straight Keying Systems

Description	Catalog Number
Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel plates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

HBL96061
shown with wallplate and switch (sold separately)

SWITCHOUT® Lockout Device

Description	Catalog Number
Yellow, nylon toggle switch lockout device (Two devices per package).	**HSLDPK2***

HSLDPK2

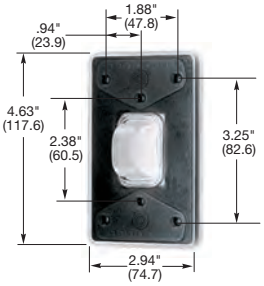
Weatherproof Plates

Description	Catalog Number
Clear bubble plate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**
Cast aluminum lift cover plate with fiber shield. For standard toggle and PresSwitch®. Fits only FS/FD boxes.	**HBL7420**

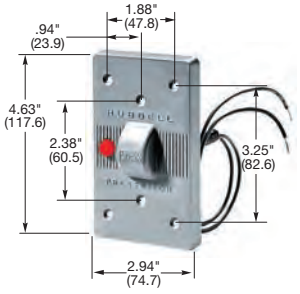
Weatherproof Plates for PresSwitch®

Description	Catalog Number
Gray neoprene PresSwitch® plate. Fits FS/FD and standard boxes.	**HBL1750**
Same as above except yellow.	**HBL17CM50**
Gray neoprene PresSwitch® plate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785**
Same as above except yellow.	**HBL17CM85**

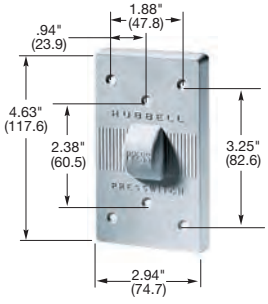
*Note: *Not UL Listed or CSA Certified.*
Each locking wallplate is supplied with two keys.
See section Z for additional information on safety lockout devices.
See section N for additional wallplates.



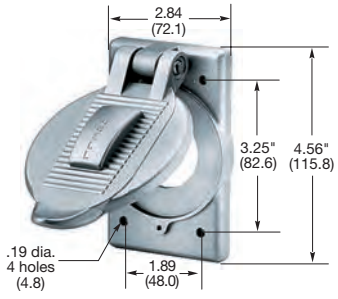
HBL1795



HBL1785



HBL1750



HBL7420

Dimensions in Inches (mm)

UL, CSA, and Fed. Spec. Listing Data

Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified	Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified
1201	Yes	Yes	Yes	HBL1224	Yes	Yes	Yes
1203	Yes	Yes	Yes	HBL1221L	Yes	Yes	Yes
1221	Yes	Yes	Yes	HBL1222L	Yes	Yes	Yes
1222	Yes	Yes	Yes	HBL1223L	Yes	Yes	Yes
1223	Yes	Yes	Yes	HBL1224L	Yes	Yes	Yes
1224	Yes	Yes	Yes	HBL1221IL	Yes	Yes	Yes
1221PW	Yes	Yes	Yes	HBL1223IL	Yes	Yes	Yes
1222PW	Yes	Yes	Yes	HBL1221PL	Yes	Yes	Yes
1223PW	Yes	Yes	Yes	HBL1222PL	Yes	Yes	Yes
1224PW	Yes	Yes	Yes	HBL1223PL	Yes	Yes	Yes
CS115	Yes	Yes	Yes	HBL1221RKL	No	Yes	Yes
CS315	Yes	Yes	Yes	HBL1222RKL	No	Yes	Yes
CS120	Yes	Yes	Yes	HBL1223RKL	No	Yes	Yes
CS320	Yes	Yes	Yes	HBL1224RKL	No	Yes	Yes
CSB115	Yes	Yes	Yes	HBL1259I	No	No	No
CSB215	Yes	Yes	Yes	HBL1281	No	Yes	Yes
CSB315	Yes	Yes	Yes	HBL1282	No	Yes	Yes
CSB415	Yes	Yes	Yes	HBL1283	No	No	No
CSB120	Yes	Yes	Yes	HBL1284	No	No	No
CSB220	Yes	Yes	Yes	HBL1287I	No	Yes	Yes
CSB320	Yes	Yes	Yes	HBL1288I	No	No	No
CSB420	Yes	Yes	Yes	HBL1281MO	No	No	No
CSL115	Yes	Yes	Yes	HBL1281MC	No	No	No
CSL215	Yes	Yes	Yes	HBL1297	No	Yes	Yes
CSL315	Yes	Yes	Yes	HBL1298	No	No	No
CSL415	Yes	Yes	Yes	HBL1381	No	Yes	Yes
CSL120	Yes	Yes	Yes	HBL1382	No	Yes	Yes
CSL220	Yes	Yes	Yes	HBL1385	No	Yes	Yes
CSL320	Yes	Yes	Yes	HBL1386	No	Yes	Yes
CSL420	Yes	Yes	Yes	HBL1386L	No	Yes	Yes
DS115	No	Yes	Yes	HBL1388	No	Yes	Yes
DS315	No	Yes	Yes	HBL1556	No	Yes	Yes
DS120	No	Yes	Yes	HBL1557	No	Yes	Yes
DS220	No	Yes	Yes	HBL1556L	No	Yes	Yes
DS320	No	Yes	Yes	HBL1557L	No	Yes	Yes
DS420	No	Yes	Yes	HBL3031	Yes	Yes	Yes
DS120IL	No	Yes	Yes	HBL3032	Yes	Yes	Yes
DS320IL	No	Yes	Yes	HBL3033	Yes	Yes	Yes
DS120PL	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes
DSL115	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes
DSL215	No	Yes	Yes	HBL3032PL	Yes	Yes	Yes
DSL315	No	Yes	Yes	SNAP1201	No	Yes	Yes
DSL415	No	Yes	Yes	SNAP1201IL	No	Yes	Yes
DSL120	No	Yes	Yes	SNAP1201PL	No	Yes	Yes
DSL220	No	Yes	Yes	SNAP1203	No	Yes	Yes
DSL320	No	Yes	Yes	SNAP1203IL	No	Yes	Yes
DSL420	No	Yes	Yes	SNAP1221	No	Yes	Yes
HBL1201	Yes	Yes	Yes	SNAP1221IL	No	Yes	Yes
HBL1202	Yes	Yes	Yes	SNAP1221PL	No	Yes	Yes
HBL1203	Yes	Yes	Yes	SNAP1223	No	Yes	Yes
HBL1204	Yes	Yes	Yes	SNAP1223	No	Yes	Yes
HBL1201IL	Yes	Yes	Yes	SNAP1223IL	No	Yes	Yes
HBL1203IL	Yes	Yes	Yes	SNAP2101	No	Yes	Yes
HBL1201PL	Yes	Yes	Yes	SNAP2101IL	No	Yes	Yes
HBL1203PL	Yes	Yes	Yes	SNAP2101PL	No	Yes	Yes
HBL1201L	Yes	Yes	Yes	SNAP2103	No	Yes	Yes
HBL1202L	Yes	Yes	Yes	SNAP2103IL	No	Yes	Yes
HBL1203L	Yes	Yes	Yes	SNAP2121	No	Yes	Yes
HBL1204L	Yes	Yes	Yes	SNAP2121IL	No	Yes	Yes
HBL1221	Yes	Yes	Yes	SNAP2121PL	No	Yes	Yes
HBL1222	Yes	Yes	Yes	SNAP2123	No	Yes	Yes
HBL1223	Yes	Yes	Yes	SNAP2123IL	No	Yes	Yes

Note: Catalog numbers above represent all colors and variations.

1-Gang

2-Gang

3-Gang

Standard Size, Smooth Nylon, Toggle Switch Plates

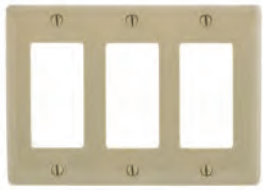
Color	Catalog Number		
Almond	**NP1AL**	**NP2AL**	**NP3AL**
Black	**NP1BK**	**NP2BK**	**NP3BK**
Brown	**NP1**	**NP2**	**NP3**
Gray	**NP1GY**	**NP2GY**	**NP3GY**
Ivory	**NP1I**	**NP2I**	**NP3I**
Light Almond	**NP1LA**	**NP2LA**	**NP3LA**
Office White	**NP1OW**	**NP2OW**	**NP3OW**
Red	**NP1R**	**NP2R**	**—**
White	**NP1W**	**NP2W**	**NP3W**

Standard Size, Smooth Metal, Toggle Switch Plates

Color	Catalog Number		
Aluminum	**SA1**	**SA2**	①
Brass	**SB1**	**SB2**	**SBP3***
Stainless Steel, 302/304	**SS1**	**SS2**	**SS3**
Stainless Steel, 430	**SS1L**	**SS2L**	**SS3L**

1-Gang

2-Gang


3-Gang

Standard Size, Smooth Nylon, Style Line® Switch Plates

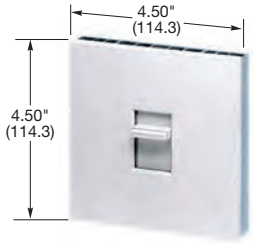
Color	Catalog Number		
Almond	**NP26AL**	**NP262AL**	**NP263AL**
Black	**NP26BK**	**NP262BK**	**NP263BK**
Brown	**NP26**	**NP262**	**NP263**
Gray	**NP26GY**	**NP262GY**	**NP263GY**
Ivory	**NP26I**	**NP262I**	**NP263I**
Light Almond	**NP26LA**	**NP262LA**	**NP263LA**
Office White	**NP26OW**	**NP262OW**	**NP263OW**
Red	**NP26R**	**NP262R**	**NP263R**
White	**NP26W**	**NP262W**	**NP263W**

Standard Size, Smooth Metal, Style Line® Switch Plates

Color	Catalog Number		
Aluminum	①	①	①
Brass	**SB26**	**SB262**	①
Stainless Steel, 302/304	**SS26**	**SS262**	**SS263**
Stainless Steel, 430	**SS26L**	**SS262L**	**—**

Note: See section N for additional wallplates.
**Brass plated.*
①Available as a custom metal wallplate. See section N for additional information.

600 and 1000W Dimmer
Fits Single-Gang Wall Boxes.
AS63 and **AS103**



1500 and 2000W Dimmer
Fits Single-Gang Wall Boxes.
AS153 and **AS203**

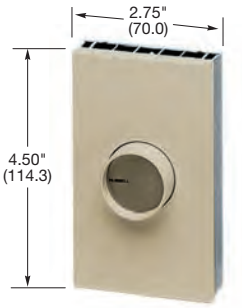
Architectural Grade, Incandescent Preset Slide Control Dimmers

Description	Color	Rating	Catalog Number
Single pole/three way - preset.	White	600W, 120V AC, 60Hz	**AS63**
Single pole/three way - preset.	White	1000W, 120V AC, 60Hz	**AS103**
Single pole/three way - preset.	White	1500W, 120V AC, 60Hz	**AS153**
Single pole/three way - preset.	White	2000W, 120V AC, 60Hz	**AS203**

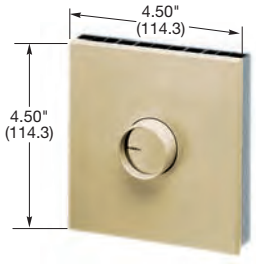
Accessories

Description	Color	Catalog Number
Small plate kit for 600W and 1000W models.	Ivory	**AS1I**
Includes non-metallic trimplate and slide.	White	**AS1W**
Large plate kit for 1500W and 2000W models.	Ivory	**AS2I**
Includes non-metallic trimplate and slide.	White	**AS2W**

Note: The dimmers listed above can be wired for single pole or three way applications.
See page D-17 for ganging and derating.



600 and 1000W Dimmer
Fits Single-Gang Wall Boxes.
AR61 and **AR101**



1500 and 2000W Dimmer
Fits Single-Gang Wall Boxes.
AR151 and **AR201**

Architectural Grade, Incandescent Rotary Control Dimmers

Description	Color	Rating	Catalog Number
Single pole - push on/off.	Beige	600W, 120V AC, 60Hz	**AR61**
Three way - push on/off.	Beige		**AR63**
Single pole - push on/off.	Beige	1000W, 120V AC, 60Hz	**AR101**
Three way - push on/off.	Beige		**AR103**
Single pole, rotary on/off.	Beige	1500W, 120V AC, 60Hz	**AR151**
Single pole, rotary on/off.	Beige	2000W, 120V AC, 60Hz	**AR201**

Accessories

Description	Color	Catalog Number
Small plate kit for 600W and 1000W models.	Beige	**AR1BE**
Includes non-metallic trimplate and knob.	White	**AR1W**
Large plate kit for 1500W and 2000W models.	Beige	**AR2BE**
Includes non-metallic trimplate and knob.	White	**AR2W**

Note: See page D-17 for ganging and derating.

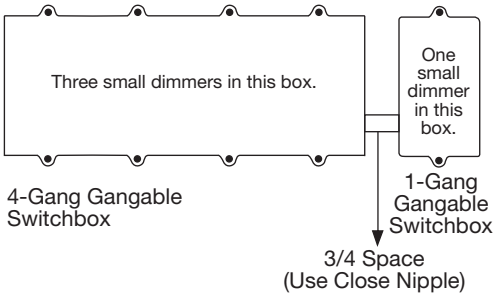
Dimmer Ganging and Derating

Architectural Grade Slide and Rotary SeriesNumber of Switchboxes Required with Dimmer Side sections Intact

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of Large Controls (1500W and 2000W)	0	0	1	1+1	4	1+4	7	1+7
	1	1	3	5	6	8	9	11
	2	4	6	7	9	10	12	13
	3	6	8	10	11	13	14	16
	4	9	11	12	14	15	17	18
		Number of Gangs Required						

Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox ¾ in. apart from the other switchbox(es). A ¾ in. close nipple is recommended as a spacer between the switchboxes.

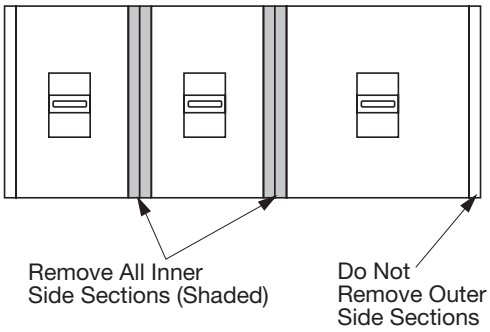
Example of 4-Gang Installation



Number of Switchboxes Required with Side Sections Removed

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of Large Controls (1500W and 2000W)	0	0	1	2	3	4	5	6
	1	1	3	4	5	6	7	8
	2	3	5	6	7	8	9	10
	3	5	7	8	9	10	11	12
	4	7	9	10	11	12	13	14
		Number of Gangs Required						

Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).



Derating Chart

No side sections removed	One side section removed	Both side sections removed
600W	600W	500W
1000W	900W	700W
1500W	1250W	1000W
2000W	1800W	1500W

Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a 1/32 in. gap (space) between controls for ease in attaching the faceplate.

Specification Grade Slide and Rotary Series

Switchboxes Required: Side sections removed

Derating Chart

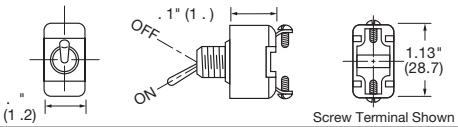
1 dimmer in wall box	2 dimmers in wall box	3 or more dimmers in wall box
600W	500W	400W
1000W	800W	650W
5A fan speed	4A fan speed	3A fan speed

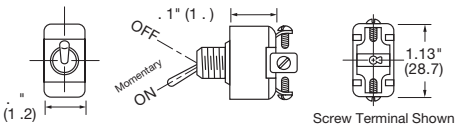
HBL11

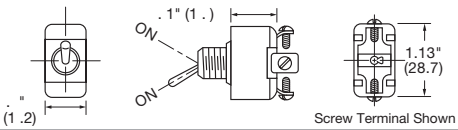
HBL123SP

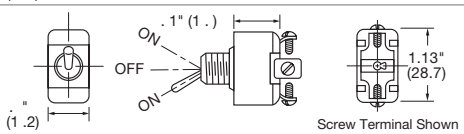
10A 250V AC 20A 125V AC Horsepower Rated ¾ HP, 125-250V AC

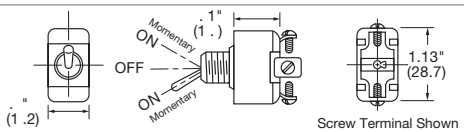
Description	Terminal	Catalog Number
Single pole/ single throw.	Screw Spade	**HBL11** **HBL11SP**
Single pole/ single throw momentary.	Screw Spade	**HBL11M** **HBL11SPM**
Single pole/ double throw.	Screw Spade	**HBL12** **HBL12SP**
Single pole/ double throw 3-position center off.	Screw Spade	**HBL123** **HBL123SP**
Single pole/ double throw 3-position center off momentary.	Screw Spade	**HBL123MM** **HBL123SPMM**







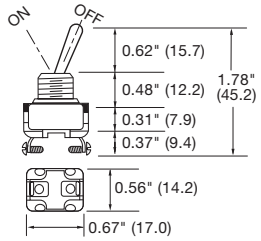




Note: All threaded stems 15⁄32 in.–32 thread.

10A 240V AC 15A 120V AC

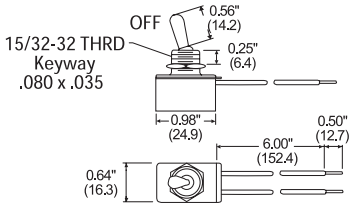
Description	Terminal	Catalog Number
Single pole/ single throw.	Screw	**HBL118**



Note: 15⁄32 in.–32 thread.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description	Terminal	Catalog Number
Single pole/ single throw.	#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11WL**



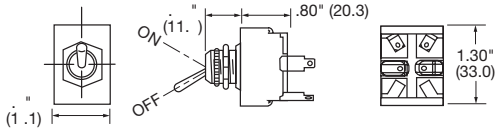
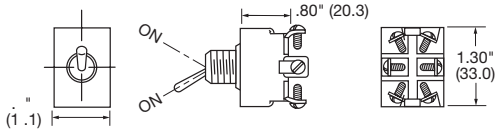
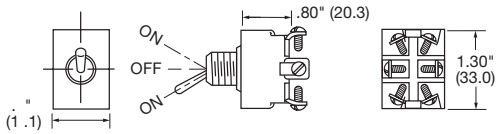
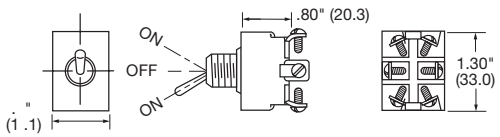
Note: 15⁄32 in.–32 thread, keyway .080 x .035.

Specifications

Impact Resistant Thermoplastic Body.
Fine Silver Contacts.
Knurled Nut, Hex Nut And Strap All Nickel Plated.
Keyed Brass Bushing Nickel Plated.
Brass Toggle Nickel Plated.
Choice of Terminal Design: .250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.
UL Recognized.

Dimensions in Inches (mm)

10A 250V AC 20A 125V AC Horsepower Rated 1½ HP, 125-250V AC

Description		Terminal	Catalog Number
Double pole/ single throw.		Screw Spade	**HBL21** **HBL21SP**
Double pole/ single throw.		Screw Spade	**HBL22** **HBL22SP**
Double pole/ double throw 3-position center off.		Screw Spade	**HBL223** **HBL223SP**
Double pole/ double throw 3-position center off momentary.		Screw Spade	**HBL223MM** **HBL223SPMM**
Silicone rubber boot.		Screw Spade	**SSB1**

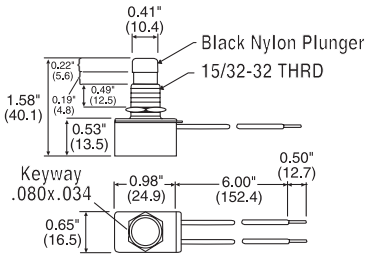
HBL21

HBL223

SSB1

Note: All threaded stems 15⁄32 in.–32 thread.
See Y-33 for information on 12V DC tapered handle switches.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

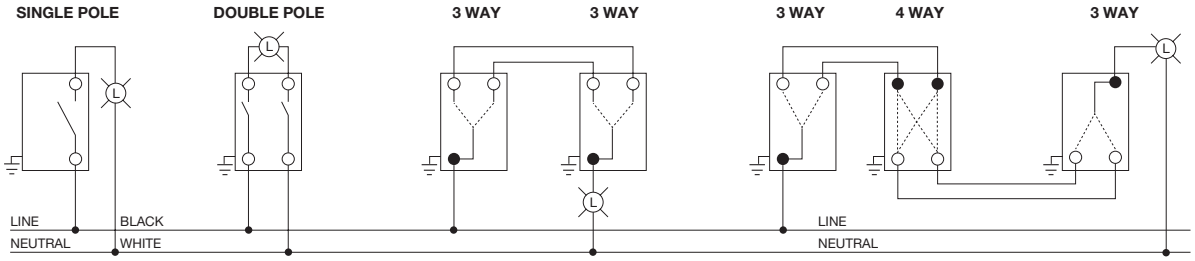
Description		Terminal	Catalog Number
Single pole/ single throw.		#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11PBWL**

HBL11PBWL

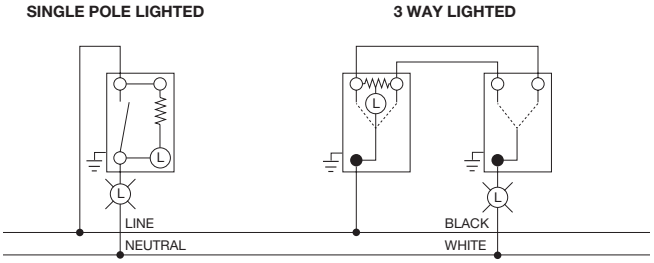
Note: 15⁄32 in.–32 thread, keyway .080 x .035.

Dimensions in Inches (mm)

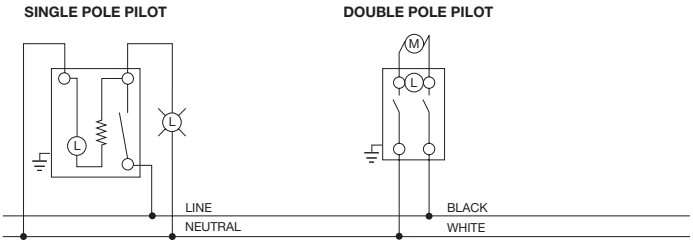
Standard Toggle Type Switches



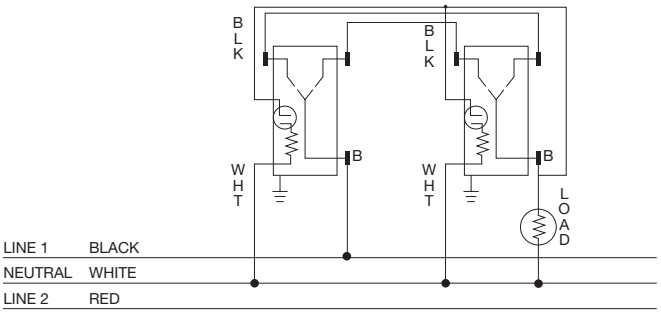
Illuminated Switches (light on with load off)



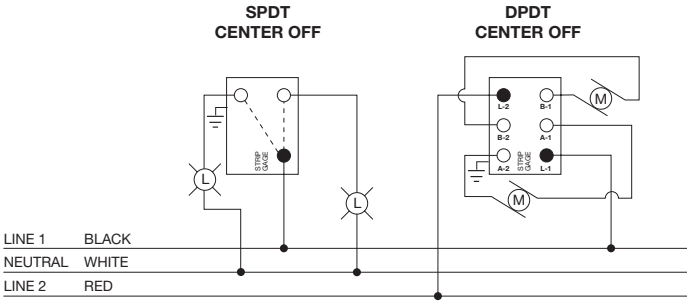
Pilot Light Switches (light on with load on)



Three Way Pilot Switches



Three Position Switches, Momentary and Maintained



Specifications - HBL® Extra Heavy Duty Industrial Grade Switches (SP, DP, 3-Way, 4-Way)

Listings	Component	Material
UL Listed	Base	Thermoset, Color Coded by Amperage
CSA Certified	Top	Thermoset, Gray
Verified to Fed. Spec. W-S-896,	Toggle	Nylon
SP, DP, 3-way and 4-way	Terminals	Brass
	Terminal Screws	Brass
	Mounting Bridge	Nickel Plated Steel
	Contacts	Silver Alloy
	Moveable Contact Arm	Brass
	Rocker	Elastomer
	Ground Terminal	Nickel-Plated Steel
	Ground Screw	Brass
	Automatic Grounding Clip	Stainless Steel

Performance Data

Electrical	
Dielectric Voltage	Withstands 1500V AC minimum for 1 minute.
Max. Working Voltage	277V AC.
Overload	Minimum 4.8 times rated current for 100 cycles.
Temperature Rise	30°C maximum at rated current.
Max. Continuous Current	15A, 20A, 30A.
Endurance	50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way.
Mechanical	
Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded copper wire only.
Environmental	
Flammability	UL 94V-2.
Operating Temperature	Max. continuous: 75°C; Min. continuous: -40°C without impact.

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Wall and Ceiling Mount Sensors

H-MOSS®|MAXX™ Sensors

WL-Series Wireless Sensors and Controls

High Bay and Daylight Harvesting

HSI=GREEN℠

H-MOSS® Occupancy Sensors Combine Innovative Technologies for Industry Proven Performance.

Adaptive Technology

Adaptive Technology is a Hubbell breakthrough that delivers benefits to both building owners and occupants. The building owner achieves reduced energy costs, fewer adjustments and less maintenance, and the building occupant experiences fewer false-offs and disturbances.

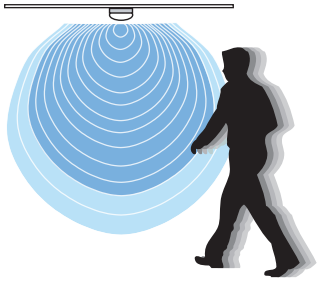
Adaptive technology occupancy sensors use microprocessors that make all the decisions for setting adjustments. Internal software constantly monitors the controlled area and automatically adjusts the sensitivity and timer based on environmental history. This means that instead of manually adjusting the sensor for seasonal changes, modified airflow, furniture layout or occupancy pattern changes, the sensor automatically adjusts itself. These automatic adjustments eliminate the need for multiple manual adjustments by maintenance personnel or outside contractors. Hubbell offers adaptive technology throughout its product offering—wall switches, ceiling and wall mount sensors—in conjunction with dual technology, ultrasonic and passive infrared products.

How to Select the Right Technology for the Proper Application

Dual Technology

Dual technology occupancy sensors combine both passive infrared (PIR) and ultrasonic (US) technologies for maximum reliability. Because US and PIR need to both detect occupancy to turn lighting on, dual technology sensors minimize the risk of lights coming on when the space is unoccupied—false triggering. Continued detection by only one technology then keeps lighting on as necessary. Dual technology sensors offer the best performance for most applications.

Ultrasonic (US)



Ultrasonic (US) technology senses occupancy by bouncing sound waves (32 kHz - 45 kHz) off of objects and detecting a frequency shift between the emitted and reflected sound waves. Movement by a person or object within a space causes a shift in frequency, which the sensor interprets as occupancy. While US occupancy sensors have a limited range, they are excellent at detecting even minor motion such as typing and filing, and they do not require an unobstructed line-of-sight. This makes US technology sensors ideal for an application like an office with cubicles or a restroom with stalls.

Passive Infrared (PIR)

Passive infrared (PIR) technology senses occupancy by detecting the movement of heat emitted from the human body against the background space. Unlike US technology, PIR sensors require an unobstructed line-of-sight for detection. These sensors use a segmented lens, which divides the coverage area into zones. Movement between zones is then interpreted as occupancy. PIR sensors are ideal for detecting major motion (e.g. walking), and they work best in small, enclosed spaces with high levels of occupant movement.

Energy Savings with Occupancy Sensors

Typical Applications

Wall Switch

Ceiling Sensor

Wall Sensor

Applications are generalized. Consult your Hubbell representative for the type of technology and products that fit your needs.

Application		Sensor Technology				Sensor Style		
		Adaptive	Dual	Ultrasonic	PIR	Wall Switch	Ceiling	Wall
Office	Small	✓+	✓+		✓	✓+	✓	
	Large	✓+	✓+	✓			✓+	
Open Office		✓+	✓	✓+			✓+	
Storage/ Warehouse	Small				✓+	✓+		
	Large	✓+			✓+		✓+	✓+
Rest Room	Small			✓+	✓+	✓+	✓	
	Large	✓+		✓+			✓+	
Conference Room	Small	✓+	✓+			✓+	✓	
	Large	✓+	✓+				✓+	
Classroom	Small	✓+	✓+			✓+	✓	
	Large	✓+	✓+				✓+	
Hall		✓+		✓+	✓		✓+	✓

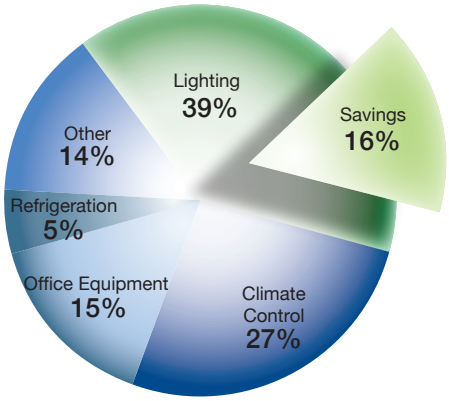
Hubbell Occupancy Sensors Play a Key Role

In the U.S., lighting consumes 22% of electricity and represents $40 billion a year in energy costs. Using advanced technology, Hubbell's H-MOSS® Occupancy Sensors are doing their part to save energy and provide sustainability by automatically and effectively turning lights on when a room is occupied and off when a room is vacant. In a typical office building, where lighting accounts for 35 to 45% of energy use, H-MOSS Occupancy Sensors have the potential to reduce wasted lighting by 13% to 90% for a significant return on investment (ROI).

Hubbell offers a broad range of occupancy and vacancy sensors and lighting controls that meet the latest codes and standards, including ASHRAE/IESNA 90.1 and California Energy Commission (CEC) Title 24. H-MOSS Occupancy Sensors can also provide LEED® points in categories like Sustainable Sites, Energy and Atmosphere, Indoor Environmental Quality and Innovative Design Process.

Electrical bill impact for a typical office building*

Lighting Uses 39% of Total Electricity



Potential electricity bill savings**

*Note: *Energy Information Administration:*
- Commercial Buildings
- Energy Consumption Survey
***Based on 40% lighting savings from sensors. Actual results may vary.*

Backed by Hubbell Service and Support

H-MOSS® Occupancy Sensors are backed by Hubbell's GreenWise™ sustainability initiative and superior service and support including:

- Valuable online H-MOSS ROI worksheet for calculating energy savings
- Detailed H-MOSS online e-learning courses that can be taken anywhere, anytime
- Product selection guide for choosing the right H-MOSS Occupancy Sensor and technology
- Online specification assistance through spec wizard, AutoCAD drawings, templates, BIM objects and documentation
- Comprehensive design assistance for deploying occupancy sensors in a variety of applications
- Highly knowledgeable network of specification professionals and trained, dedicated sales staff
- Backed by Hubbell who is committed to safeguarding the environment through environmental stewardship, innovative products and efficient operations

Adaptive Dual Technology Wall Switches

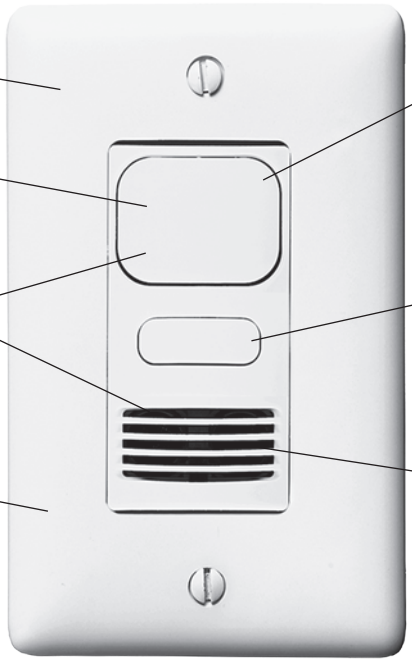
Features and Benefits

Available in ivory, white, black, gray and light almond

Impact resistant hard lens is standard and color matched to the switch

Dual technology sensing combines the individual advantages of passive infrared and ultrasonic detection

Designed for use on 120 or 277V AC circuits. No neutral needed for fast retrofits



Built in photocell with manual super saver mode for daylight harvesting

Auto or manual “On” operating modes. Available in either single relay or dual relay versions for enhanced savings with bi-level switching applications

Adaptive technology - “Install and forget” operation, analyzes environment and adjusts sensitivity and timer, eliminating the need for manual adjustment

AD2000W1
with **NP26W**

Adaptive Passive Infrared Wall Switches

Features and Benefits

Wall plate included for simplified ordering

High density 1200 square foot 180° coverage with tough tamper resistant lens

Photocell can prevent lights from turning on with sufficient natural light

Front press switch allows the occupant to switch the sensor from automatic operation to momentary off mode

Designed for use on 120 or 277V AC circuits. No neutral needed for fast retrofits

Heavy-duty relay controls up to 1000 watts at 120V AC or 1800 watts at 277V AC

Nightlight version available to provide minimum illumination when the lights are off

Tamper resistant push button covers the time-out, service switch, and vac/occ operation mode settings

ATP2000W

Adaptive Technology

- Adaptive technology - "Install and forget" operation
- All digital sensing technology
- Dual 120/277V AC operation. No neutral required
- Auto or manual "On" operating modes
- No minimum load requirements
- Hard lens (dual technology, passive infrared)
- Steel mounting strap
- Zero arc point switching
- Built in photocell with manual super saver mode for daylight harvesting
- Bi-level switching or dual load control (2 or 2N suffix)
- cULus

AD2000W1

Dual (Ultrasonic and Passive Infrared)

1000 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz.

		Single Circuit		Dual Circuit	
Description	Color	1 button for manual/auto control	Auto control with no button	2 buttons for manual/auto control	Auto control with no button
Dual (ultrasonic and passive infrared)	Black	**AD2000BK1**	**AD2000BK1N**	**AD2000BK2**	**AD2000BK2N**
	Gray	**AD2000GY1**	**AD2000GY1N**	**AD2000GY2**	**AD2000GY2N**
	Ivory	**AD2000I1**	**AD2000I1N**	**AD2000I2**	**AD2000I2N**
	Light Almond	**AD2000LA1**	**AD2000LA1N**	**AD2000LA2**	**AD2000LA2N**
	White	**AD2000W1**	**AD2000W1N**	**AD2000W2**	**AD2000W2N**

Note: Wallplate sold separately. Neutral wire versions available. Use ADN prefix when ordering.
See pages E-16 and E-17 for coverage patterns and technical specifications.

AD2000W1N
AD2000W2N

AU2000W1

Ultrasonic

400 square foot coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz.

		Single Circuit		Dual Circuit	
Description	Color	1 button for manual/auto control	Auto control with no button	2 buttons for manual/auto control	Auto control with no button
Ultrasonic	Black	**AU2000BK1**	**AU2000BK1N**	**AU2000BK2**	**AU2000BK2N**
	Gray	**AU2000GY1**	**AU2000GY1N**	**AU2000GY2**	**AU2000GY2N**
	Ivory	**AU2000I1**	**AU2000I1N**	**AU2000I2**	**AU2000I2N**
	Light Almond	**AU2000LA1**	**AU2000LA1N**	**AU2000LA2**	**AU2000LA2N**
	White	**AU2000W1**	**AU2000W1N**	**AU2000W2**	**AU2000W2N**

Note: Wallplate sold separately. Neutral wire versions available. Use AUN prefix when ordering.
See pages E-16 and E-17 for coverage patterns and technical specifications.

AU2000W2

Passive Infrared

1000 sq. ft. coverage with photocell, 800W Incandescent, 1000W Fluorescent at 120V AC, 1800W Fluorescent at 277V AC, 50/60Hz.

		Single Circuit		Dual Circuit	
Description	Color	1 button for manual/auto control	Auto control with no button	2 buttons for manual/auto control	Auto control with no button
Passive infrared	Black	**AP2000BK1**	**AP2000BK1N**	**AP2000BK2**	**AP2000BK2N**
	Gray	**AP2000GY1**	**AP2000GY1N**	**AP2000GY2**	**AP2000GY2N**
	Ivory	**AP2000I1**	**AP2000I1N**	**AP2000I2**	**AP2000I2N**
	Light Almond	**AP2000LA1**	**AP2000LA1N**	**AP2000LA2**	**AP2000LA2N**
	White	**AP2000W1**	**AP2000W1N**	**AP2000W2**	**AP2000W2N**

Note: Wallplate sold separately. Neutral wire versions available. Use APN prefix when ordering.
See pages E-16 and E-17 for coverage patterns and technical specifications.

AP2000W1

AP2000W2

AT1277W

ATP2000W

WS2000W
WS1000W

DT2000W

DT5030W

ACIPE

ACMG

AWSG

AWMG

Adaptive Technology, Passive Infrared

- Adaptive technology - "Install and forget" operation
- Passive infrared technology
- Dual 120/277V AC operation, no neutral required
- Heavy duty relay (AT1277xx)
- Audible alarm before turning lights off (AT1277xx)
- 1200 sq. ft. coverage
- Built in photocell for daylight harvesting
- Wallplate included
- Steel mounting strap
- cULus

Description	Color	Standard	w/ Nightlight	w/ Neutral	w/ Nightlight and Neutral
High load adaptive wall switch, 1800W @ 120V AC and 4166W @ 277V AC	Ivory White	**AT1277I** **AT1277W**	— —	— —	— —
Adaptive auto-adjusting; selectable manual/auto-on operation; dual-voltage 120/277V; 3-way capable	Gray Ivory Light Almond White	**ATP2000GY** **ATP2000I** **ATP2000LA** **ATP2000W**	**ATP2000NGY** **ATP2000NI** **ATP2000NLA** **ATP2000NW**	— **ATP2004I** — **ATP2004W**	— **ATP2004NI** — **ATP2004NW**

Note: See pages E-17 and E-18 for coverage patterns and technical specifications.

Passive Infrared Wall Switches

- Passive infrared technology
- Manual adjustment time delay (20 sec. to 30 min.)
- Photocell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage
- Wallplate included
- Steel mounting strap
- cULus

Description	Color	Standard	w/ Nightlight	w/ Neutral	w/ Nightlight and Neutral
Manual adjusting; selectable manual/auto-on operation; dual-voltage 120/277V; 3-way capable	Gray Ivory Light Almond White	**WS2000GY** **WS2000I** **WS2000LA** **WS2000W**	**WS2000NGY** **WS2000NI** **WS2000NLA** **WS2000NW**	— **WS2004I** — **WS2004W**	— **WS2004NI** — **WS2004NW**
Manual adjusting; auto-on operation; 120V AC only	Ivory White	**WS1000I** **WS1000W**	**WS1000NI** **WS1000NW**	— —	— —
Manual adjusting; Manual-on operation; 120V AC only	Ivory White	**WS1001I** **WS1001W**	**WS1001NI** **WS1001NW**	— —	— —

Note: See pages E-17 and E-18 for coverage patterns and technical specifications.

Digital Timer Wall Switch

Description	Color	Catalog Number
Dip switch enabled preset intervals, user adjustable up to 4 hours, 3-way capable, 960W @ 120V AC and 1200W @ 277V AC. Includes an on/off momentary push button switch feature	White	**DT2000W**

Count Down Timer Wall Switch

Description	Color	30 Minutes: Off, 5, 10, 20, 30	60 Minutes: Off, 15, 30, 45, 60	12 Hours: Off, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC	Ivory Light Almond White	**DT5030I** **DT5030LA** **DT5030W**	**DT5060I** **DT5060LA** **DT5060W**	**DT5012I** **DT5012LA** **DT5012W**

Ceiling Accessories

Description	Catalog Number
Ceiling sensor infrared NEMA 4X enclosure	**ACIPE**
Ceiling mount wire guard	**ACMG**
Ceiling mount raceway adapter	**ACMRA**

Wall Accessories

Description	Catalog Number
Wall switch wire guard	**AWSG**
Wall mount wire guard	**AWMG**

Adaptive Technology

- Adaptive technology - "Install and forget"
- All digital sensing technology
- Photocell for daylight harvesting and relay to interface with auxiliary systems such as HVAC (CRP models)
- Mounting base included with sensor
- Non-volatile memory settings retained after power outage
- Low voltage units: 24V DC, 33mA
- Line voltage units: 20A, 120-277V
- 32kHz (ATD/ATU500C and CRP - 40kHz)
- cULus

ATD2000C Series

Dual (Ultrasonic and Passive Infrared)

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

Description	Coverage	Color	Catalog Number
Low voltage sensor with photocell and isolated relay	2000 sq. ft. (360°)	White	**ATD2000CRP**
Low voltage sensor	2000 sq. ft. (360°)	White	**ATD2000C**
Line voltage sensor	2000 sq. ft. (360°)	White	**ATD2000CL**
Low voltage sensor with photocell and isolated relay	1000 sq. ft. (180°)	White	**ATD1000CRP**
Low voltage sensor	1000 sq. ft. (180°)	White	**ATD1000C**
Line voltage sensor	1000 sq. ft. (180°)	White	**ATD1000CL**
Low voltage sensor with photocell and isolated relay	500 sq. ft. (180°)	White	**ATD500CRP**
Low voltage sensor	500 sq. ft. (180°)	White	**ATD500C**

Note: Low voltage ATD ceiling sensors must use a CU series control units. See page E-8 for details.
See pages E-19 and E-20 for coverage patterns and technical specifications.

ATD1000C/ ATD500C Series

Ultrasonic

Excellent minor motion detection.

Description	Coverage	Color	Catalog Number
Low voltage sensor with photocell and isolated relay	2000 sq. ft. (360°)	White	**ATU2000CRP**
Low voltage sensor	2000 sq. ft. (360°)	White	**ATU2000C**
Line voltage sensor	2000 sq. ft. (360°)	White	**ATU2000CL**
Low voltage sensor with photocell and isolated relay	1000 sq. ft. (180°)	White	**ATU1000CRP**
Low voltage sensor	1000 sq. ft. (180°)	White	**ATU1000C**
Line voltage sensor	1000 sq. ft. (180°)	White	**ATU1000CL**
Low voltage sensor with photocell and isolated relay	500 sq. ft. (180°)	White	**ATU500CRP**
Low voltage sensor	500 sq. ft. (180°)	White	**ATU500C**

Note: Low voltage ATU ceiling sensors must use a CU series control units. See page E-8 for details.
See pages E-19 and E-20 for coverage patterns and technical specifications.

ATU2000C Series

ATU1000C/ ATU500C Series

Passive Infrared

Outstanding long range major motion detection.

Description	Coverage	Color	Catalog Number
Low voltage sensor with photocell and isolated relay	1500 sq. ft. (360°)	White	**ATP1500CRP**
Low voltage sensor	1500 sq. ft. (360°)	White	**ATP1500C**
Line voltage sensor	1500 sq. ft. (360°)	White	**ATP1500CL**
Low voltage sensor with photocell and isolated relay	450 sq. ft. (360°)	White	**ATP600CRP**
Low voltage sensor	450 sq. ft. (360°)	White	**ATP600C**
Line voltage sensor	450 sq. ft. (360°)	White	**ATP600CL**

Note: Low voltage ATP ceiling sensors must use a CU series control units. See page E-8 for details.
See pages E-19 and E-20 for coverage patterns and technical specifications.

ATP1500C/ ATP600C Series

Low Profile, Line Voltage Passive Infrared (PIR)

Outstanding long range major motion detection in a compact low profile housing.

Voltage	Coverage	Load Rating	Color	Catalog Number
120-347V AC with photocell and isolated relay	1500 sq. ft.	800W Inc. 1000W Fl. @ 120V AC 1800W Fl. @ 277V AC 2200W Fl. @ 347V AC	White	**LVPR1500R**

LVPR1500R

ATD1600W Series

Adaptive Technology Wall Mount Sensors

- Adaptive technology - "Install and forget" operation
- Swivel mounting bracket included for wall or ceiling mounting
- All digital sensing technology
- Photocell for daylight harvesting and relay interface with auxiliary systems such as HVAC (RP models)
- 24V DC, 33mA
- cULus

Dual (Ultrasonic and Passive Infrared)

Description	Coverage	Color	Catalog Number
Low voltage sensor 32kHz with photocell and isolated relay	1600 sq. ft.	White	**ATD1600WRP**
Low voltage sensor 32kHz	1600 sq. ft.	White	**ATD1600W**

ATP1600W, ATP120HB Series

Passive Infrared

Description	Coverage	Color	Catalog Number
Low voltage sensor with photocell and isolated relay	1600 sq. ft.	White	**ATP1600WRP**
	1600 sq. ft.	White	**ATP1600W**
Low voltage sensor for aisle and high bay applications, with photocell and isolated relay	120 linear ft.	White	**ATP120HBRP**
Low voltage sensor for aisle and high bay applications	120 linear ft.	White	**ATP120HB**

Note: All wall mount sensors must use a CU series control units. See below for details.
See pages E-19 and E-20 for coverage patterns and technical specifications.

Accessories

Control Units

CU300A(M), CU347A

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations The control units contain an internal relay for the control of an external lighting load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Automatic-on operation, 120/277V AC, 50/60Hz for use with 1 to 4 ATD, ATU and ATP series ceiling/wall mount sensors	**CU300A**
Manual-on operation, 120/277V AC, 50/60Hz for use with 1 to 4 ATD, ATU and ATP series ceiling/wall mount sensors	**CU300M**
Auto or manual-on operation, 120/277V AC, 50/60Hz for use with 1 to 6 ATD, ATU and ATP series ceiling/wall mount sensors, heavy duty latching relay for reactive loads and plug-load control	**CU300HD**
Automatic-on operation, 347V AC, 60Hz, for use with 1 to 3 ATD, ATU and ATP series ceiling and wall mount sensors	**CU347A**

CU300HD

Note: See page E-25 for technical specifications.

Add-A-Relay

AAR

Hubbell AAR Add-A-Relay contains an internal relay for control of an external lighting load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. The AAR is typically used when: 1. It is desired to switch more than one circuit when occupancy is sensed. 2. The lighting load exceeds the maximum rating of the control unit.

Description	Catalog Number
For use with CU series control units and Hubbell ATD, ATU and ATP series ceiling and wall mount sensors	**AAR**

Low Voltage Switches

- Attractive, architectural design
- Available latching or momentary contact
- Mounts to standard single gang box
- 2-year warranty

Description	Color	Catalog Number
Low voltage switch, latching, 1 button	Ivory	**DSL30I1**
	White	**DSL30W1**
Low voltage switch, momentary, 1 button	Ivory	**DSM30I1**
	White	**DSM30W1**
Low voltage switch, momentary, 2 button	Ivory	**DSM30I2**
	White	**DSM30W2**

Note: Wallplate sold separately.

DSL30W1

Multi-Level Relays

Description	Catalog Number
Enclosed independent control for multiple ballast light fixtures from one existing wall switch, bi-level; 120/208-277V AC	**AARBL2**
Enclosed independent control for multiple ballast light fixtures from one existing wall switch, tri-level; 120/208-277V AC	**AARBL3**

AARBL2

Enclosed 10 Amp SPDT Relays

Description	Catalog Number
Enclosed relay 10 Amp SPDT with 10-30V AC/DC/120V AC coil	**AAR10C120**
Enclosed relay 10 Amp SPDT with 10-30V AC/DC/208-277V AC coil	**AAR10C277**

AAR10C277

OPTIMYZER® High Bay Controls

- Digital passive infrared (PIR) sensor
- Multiple (single and dual) output versions
- Single and dual timer operation
- Low-profile design
- Supports mounting heights up to 40 ft
- Area and aisle coverage
- Universal voltage (120/277/347V AC) models available
- No minimum load

HMHB21U

Standard

Description	Voltage	Catalog Number
Fluorescent high bay PIR sensor, 1 relay	120-347V AC	**HMHB21U**
Fluorescent high bay PIR sensor, 2 relays	120-347V AC	**HMHB22U**
Fluorescent high bay PIR sensor, 1 double pole relay	208/240V AC	**HMHB23A**
Fluorescent high bay PIR sensor, 1 double pole relay	480V AC	**HMHB23B**
Fluorescent high bay PIR sensor	24V DC	**HMHB2LV***

Daylight Harvesting (With Photocells)

Description	Voltage	Catalog Number
Fluorescent high bay PIR sensor, 1 relay with photocell	120-347V AC	**HMHB21UP**
Fluorescent high bay PIR sensor, 2 relays with photocell	120-347V AC	**HMHB22UP**
Fluorescent high bay PIR sensor, 1 double pole relay with photocell	208/240V AC	**HMHB23AP**
Fluorescent high bay PIR sensor, 1 double pole relay with photocell	480V AC	**HMHB23BP**
Fluorescent high bay PIR sensor with photocell	24V DC	**HMHB2LVP***

See pages E-20 for coverage patterns and technical specifications.

HMHBSA

OPTIMYZER® Accessories

Description	Catalog Number
High bay mounting extension adapter	**HMHBSA**
External daylight control	**HMHBEP**

DHADC

Daylight Harvesting

- Multiple calibration options
- Selectable 3- or 8-second dimming rate
- Low-profile design
- Light-sensitivity range of 0–500 foot candles

Description	Voltage	Catalog Number
Single zone continuous automatic dimming control	10V DC	**DHADC†**
Indoor photocell	24V DC	**DHIP▲**
Outdoor photocell	24V DC	**DHOP▲**
Atrium photocell	24V DC	**DHAP▲**
Skylight photocell	24V DC	**DHSP▲**
Control module	24V DC	**DHCM**
Daylight tracker with on/off control	24V DC	**DHT***
Daylight tracker with dimming control	24V DC	**DHTD†**

DHIP, DHOP

DHAP, DHSP

*Note: *For use with CU series control units. See page E-10 for details.*
†For use with 0-10V DC dimming ballasts.
▲For use with DHCM and CU series control units.

DHCM

DHT

H-MOSS®|MAXX™ Harsh Environment Occupancy Sensors

Features and Benefits

H-MOSS®|MAXX™ products provide users with methods to reduce energy usage in harsh environments. These applications often have lights being left on and ventilation/HVAC systems constantly working. **H-MOSS®**|MAXX™ products are designed to withstand these challenging environments and provide increased operating efficiency.

AHP1600WRP
with **HAP4**

HMHB21UPCW

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Outdoor Rated Watertight Wall Mount PIR Sensor

IP66, NEMA 4X, heavy duty wall or pendant mount sensor with -40°F to 149°F (-40°C to 65°C) operating temperature range and 160° of coverage.

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell	24V DC	**AHP1600WRP**
Adaptor plate for 1-gang FS boxes	—	**HAP1**
Adaptor hub and nipple for Killark NJ series boxes	—	**HAP2**
Adaptor plate for Killark NV series boxes	—	**HAP3**
½" NPT threaded hub	—	**HAP4**

Note: For use with a CU series control unit: CU300HD (120/277V AC, 50/60 Hz), CU347A (347V AC, 60 Hz).
See pages E-21 for coverage patterns and technical specifications.

AHP1600WRP

Extreme Temperature PIR Ceiling Sensor

Upgraded ceiling sensor with -40°F to 149°F (-40°C to 65°C) operating temperature range.
Use ACIPE to make NEMA 4X watertight.

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell	24V DC	**AHP1500CRP**
IP66, NEMA 4X enclosure	—	**ACIPE**

Note: For use with a CU series control unit: CU300HD (120/277V AC, 50/60 Hz), CU347A (347V AC, 60 Hz).
See pages E-21 for coverage patterns and technical specifications.

ACIPE with
AHP1500CRP

Heavy Duty Control Unit

Robust latching relay provides reliable performance over many different applications, including plug loads. 20A 100-277V AC, 1HP @ 120V, 2HP @ 240/277V. Auto or Manual-On operation. Powers up to six low voltage sensors.

Description	Voltage	Catalog Number
Heavy duty control unit	120-277V AC	**CU300HD**

Note: See page E-25 for technical specifications.

CU300HD

Watertight OPTIMYZER®

IP65, NEMA 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

Description	Voltage	Catalog Number
Pir sensor, relay with photocell	120-347V AC	**HMHB21UPCW**
Pir sensor, 2 relays with photocell	120-347V AC	**HMHB22UPCW**
Pir sensor, 1 double pole relay with photocell	208, 240V AC	**HMHB23APCW**
Pir sensor, 1 double pole relay with photocell	480V AC	**HMHB23BPCW**
Pir sensor, with photocell	24V DC	**HMHB2LVPCW***
180° Lens	—	**HMHBL180**
360° Lens (included)	—	**HMHBL360**
Aisle lens	—	**HMHBLA**
End of aisle lens	—	**HMHBLEA**

*Note: *For use with a CU series control unit: CU300HD (120/277V AC, 50/60 Hz), CU347A (347V AC, 60 Hz).*
See pages E-21 for coverage patterns and technical specifications.

HMHB21UPCW

WL-Series Wireless Sensors and Controls

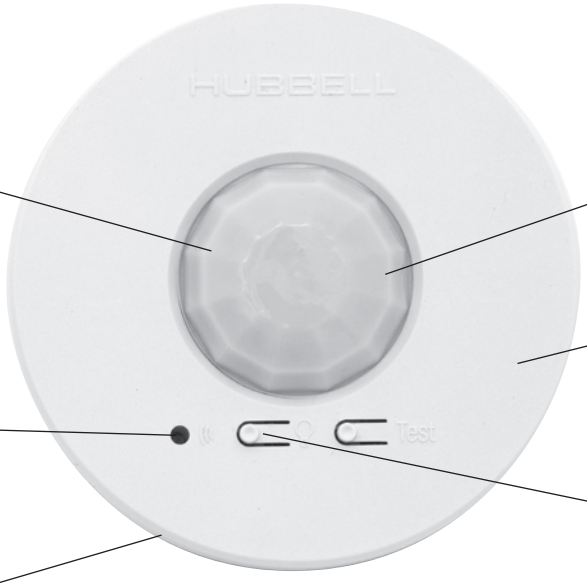
Features and Benefits

Three operation modes available: Auto-On, Auto-On Low-Light and Manual-On

Passive infrared motion detection with advanced digital signal processing for fine motion detection

Auto-On Low-Light feature will only turn lights on automatically if there is less than approximately 10 Lux (1 fc) of ambient light

10-year battery life design

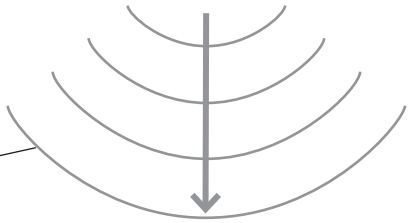


Lens illuminates during test mode to verify coverage

Adjustments available for Timeout, Activity, and Auto-On settings

Accessible test buttons make setup easy

WLP450C



LUTRON **Clear Connect**™ Enabled

8A lighting, 3A fan load capacity

Green LED provides operation and setup feedback

No neutral required, no leakage to ground

LED and CFL compatible with supplied load adaptor

Digital push button operation provides user control

Service switch prevents lights from coming on during re-lamping

WLS1278W
with **NP26W**

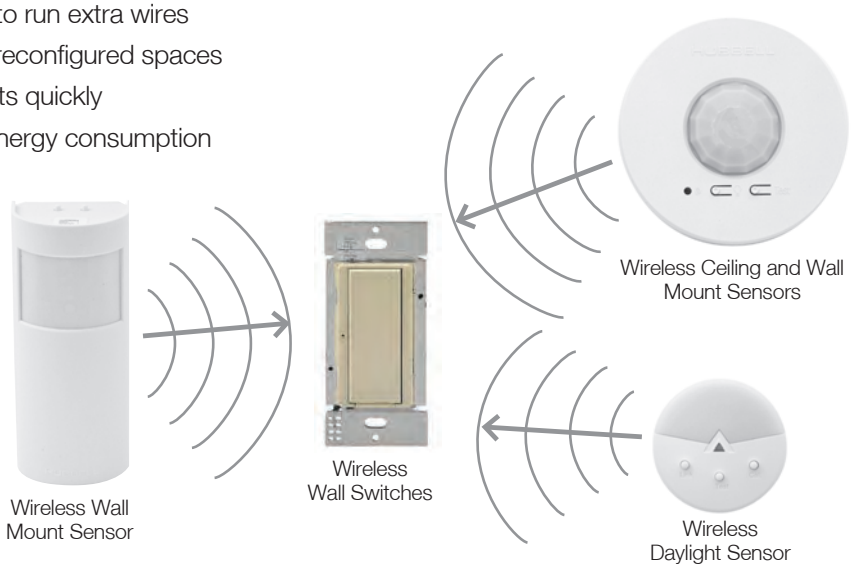
Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.

WL-Series Wireless Sensors and Controls

Featuring Passive Infrared Technology

Hubbell's WL-Series Wireless Sensors and Controls are the ideal solution for renovation projects aimed at reducing energy consumption. These sensors use DSP Enhanced passive infrared technology to detect movement of heat from people to turn lights on when a room is occupied and off when vacant. The sensors wirelessly transmit Clear Connect™ commands to the associated control devices, reducing the need for additional wiring for ease and speed of installation and energy savings.

- Eliminates need to run extra wires
- Supports highly reconfigured spaces
- Complete projects quickly
- Helps manage energy consumption



Wireless Ceiling Mount Sensor

Description	Color	Catalog Number
Ceiling mount 360° / 324-676 ft²	White	**WLP450C**

WLP450C

Wireless Wall Mount Sensor

- Detection at longer distances is best when motion occurs at right angles to the sensor
- Multiple sensors can be used to extend coverage
- Mount Hallway Sensor at the end of a hallway with a clear view down the length of a hall

Description	Wall mount 180° / 3000 ft²	Corner mount 90° / 2500 ft²	Hallway up to 150 linear ft
Color	White	White	White
Catalog Number	**WLP3000W**	**WLP2500W**	**WLP150H**

Compatible Controls: WSL1278xx switch, WLC316R control unit, or any Lutron Clear Connect enabled control device.

WLP150H

Wireless Wall Switches

Description	Color	Catalog Number
8A Lighting, 3A Fan (1/10 HP motor, 120V only), Spec Grade Electronic Switch 120–277V. No neutral wire required	Ivory White	**WLS1278I** **WLS1278W**
Accessory Switch 120V	Ivory White	**WLAS120I** **WLAS120W**
Accessory Switch 277V	Ivory White	**WLAS277I** **WLAS277W**

Compatible Transmitters: WLP series and WLDH sensors any Lutron Clear Connect enabled sensor.

WLS1278I

WLAS277W

Wireless Control Unit

Description	Catalog Number
Wireless load control unit with isolated relay, 16A, 120V or 277V AC	**WLC316R**

Compatible Transmitters: WLP series and WLDH sensors any Lutron Clear Connect enabled sensor.

WLC316R

Wireless Daylight Sensor

Description	Color	Catalog Number
Daylight sensor 0–107,000 Lux (0-10,000 fc)	White	**WLDH**

Compatible Controls: WSL1278xx switch, WLC316R control unit, or any Lutron Clear Connect enabled control device.
Note: See pages E-22 to E-24 for coverage patterns and technical specifications.

WLDH

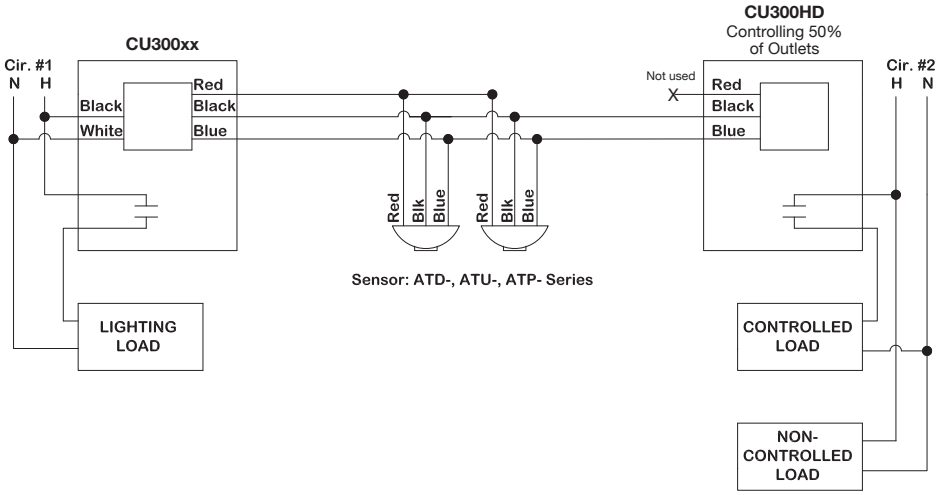
Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.

DR20LA
Shown with adhesive label to denote the device is being automatically controlled. Labels provided with each plug load control unit.

ASHRAE 90.1-2010 mandates that 50% of all outlets in private offices, open offices, and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Bellow are two examples. Additional examples and design resources are located at www.hubbell-wiring.com/energy.aspx

Wired

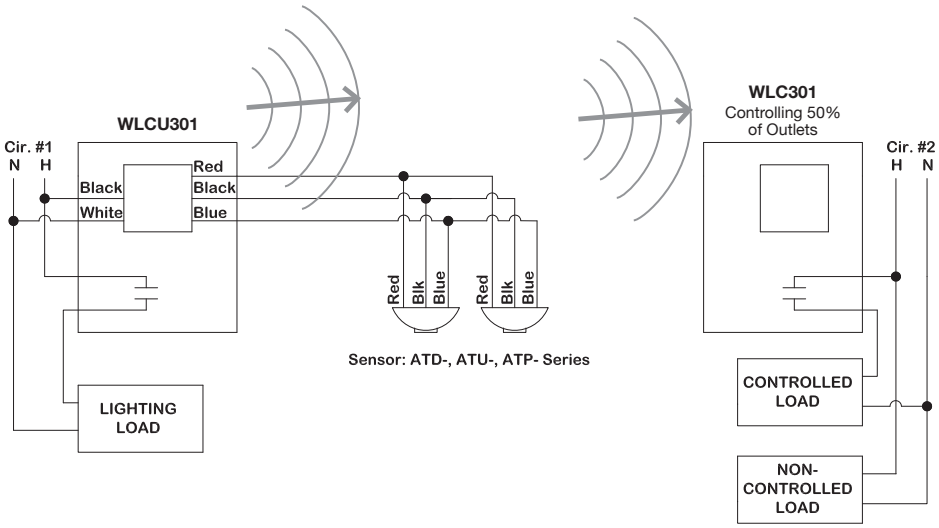
Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify CU300HD to control outlets and use AAR or CU300A to control the lighting. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.



Wireless

Clear Connect™ Enabled

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Lutron's proven Clear Connect™ communication and are compatible with other Clear Connect™ devices, such as Hubbell's wireless occupancy sensors.



Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.

Hubbell Plug Load Control Products

- Wired or wireless flexibility
- UL/cUL 916 listed for energy management equipment
- Listed for 20A enclosed switching
- Heavy duty 60A rated mechanical latching relay; silver alloy contacts
- Zero cross switching
- Expanded operating temperature range
- 24V DC, 250mA DC power output on applicable units
- Low voltage output short circuit protection
- UL2043 plenum rated except WLC402
- Controlled outlet labels provided with control units

Wired

Heavy Duty Control Unit

Robust latching relay provides reliable performance over many different applications, including plug loads. 20A 100-277V AC, 1HP @ 120V, 2HP @ 240/277V. Auto or manual-on operation. Power up to six low voltage sensors.

Description	Voltage	Catalog Number
Heavy duty control unit	100-277V AC	**CU300HD**

Note: See page E-25 for technical specifications.

CU300HD

Wireless

Operates in a “quiet” 434MHz FCC band. Communication range: 30 ft obstructed or 60 ft line of sight

LUTRON Clear Connect™ Enabled

Heavy Duty Control Unit with Wireless Transmit

CU300HD with functionality of WLCA integrated to wirelessly activate additional load control units. Takes the place of CU300A's normally used to control just lighting. 20A 100-277V AC, 1HP @ 120V, 2HP @ 240/277V. Auto or manual-on operation. Power up to six low voltage sensors.

Description	Voltage	Catalog Number
Heavy duty control unit with Clear Connect	100-277V AC	**WLCU301**

WLCU301

Wireless Status Transmitter

Low voltage powered unit transmits occupancy or timer status to associated load control receivers. Use with CU300xx and low voltage sensors/timers to upgrade existing lighting control systems to support plug load control.

Description	Voltage	Catalog Number
Wireless transmitter with Clear Connect, for use with CU300xx	24V DC	**WLCA**

WLCA

Heavy Duty Load Control Units with Wireless Receive

These units receive wireless Clear Connect™ commands to turn on and off power to downstream loads. Utilize these control units to wirelessly switch a circuit of receptacles or any other applicable load. 20A 100-277V AC, 1HP @ 120V, 2HP @ 240/277V.

Description	Voltage	Catalog Number
1 - Circuit heavy duty control unit with Clear Connect	100-277V AC	**WLC301**
2 - Circuit heavy duty control unit with Clear Connect	100-277V AC	**WLC302**

WLC301

Furniture Feed Box with Heavy Duty Relays and Wireless Receive

Furniture feed box receives wireless Clear Connect™ commands and controls 2-circuits in furniture electrical feeds. It supports wall mounting to existing 1 or 2-gang junction boxes. Additionally, the box can be secured to the furniture or on the floor. 20A 100-277V AC, 1HP @ 120V, 2HP @ 240/277V.

Description	Voltage	Catalog Number
2 - Circuit heavy duty furniture freed box with Clear Connect	100-277V AC	**WLC402W**

Note: See page E-26 for technical specifications.

WLC402W

Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.

Adaptive Dual Technology Wall Switches AD2000 Series

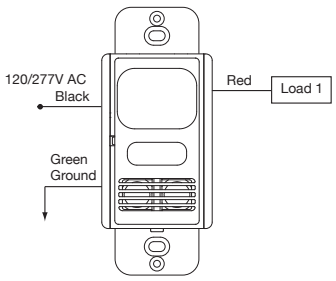
Electrical	
Power Supply	120/277V AC, 50/60Hz
Load Capacity	
Incandescent	0 to 800 watts
120V AC Ballast	0 to 1000 watts
277V AC Ballast	0 to 1800 watts
Agency Approvals	cULus Listed
Physical	
Housing	High impact plastic (UL-94-5V)
Lens	Dual element pyrometer and 12 element cylindrical hard lens
Dimensions	Face 2.59"H x 1.73"W, 0.37"D (from wall out)
Mounting Height	42 to 54 inches above floor
Environmental	
Operating	32°F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity
Controls	
Time Delay	Digital, adaptive 4 to 30 minutes
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles
Front Press Switch	Auto/Off
Sensitivity	Adaptive 0% to 100%
Service Switch	Air gap off
Sensing Indicator	
Passive Infrared	Red LED
Ultrasonic	Green LED

Adaptive Technology Ultrasonic and PIR Wall Switches AP2000 and AU2000 Series

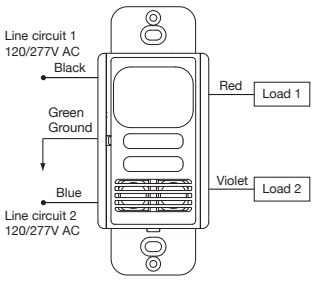
Electrical	
Power Supply	120/277V AC, 50/60Hz
Load Capacity	
Incandescent	0 to 800 watts
120V AC Ballast	0 to 1000 watts
277V AC Ballast	0 to 1800 watts
Agency Approvals	cULus Listed
Physical	
Housing	High impact plastic (UL-94-5V)
Lens	Dual element pyrometer and 12 element cylindrical hard lens (AP2000 only)
Dimensions	Face 2.59"H x 1.73"W, 0.37"D (from wall out)
Mounting Height	42 to 54 inches above floor
Environmental	
Operating	32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity
Controls	
Time Delay	Digital, adaptive 4 to 30 minutes 20 minutes default
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles
Front Press Switch	Auto/Off
Sensitivity	Adaptive 0% to 100%
Service Switch	Air gap off
Sensing Indicator	
Passive Infrared	Red LED (AP series only)
Ultrasonic	Green LED (AU series only)

Wiring Schematic AD, AU, AP, 1277/2000 Series Wall Switch Sensors

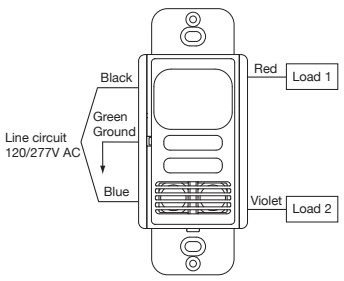
Single Circuit Wiring



Dual Circuit Sensor, Wired for Dual Circuits

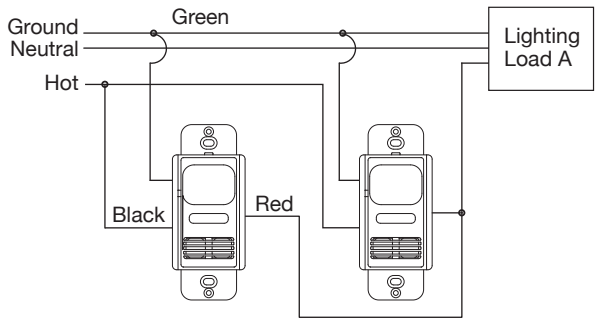


Dual Circuit Sensor, Wired for Single Circuit

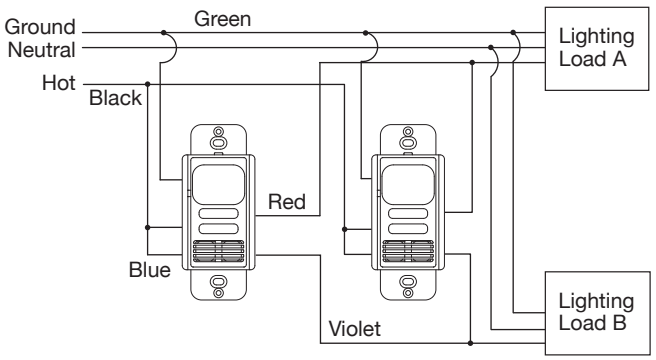


For step dimming, bi-level, and dual ballasted fixtures

Single Circuit Sensors, Wired as 3-Way Sensors*



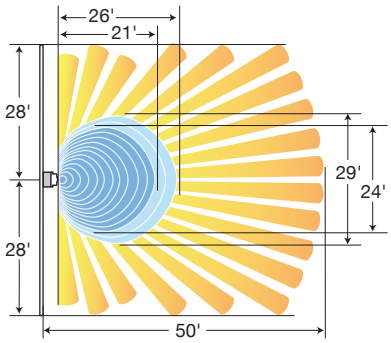
Dual Circuit Sensors, Wired as 3-Way Sensors*



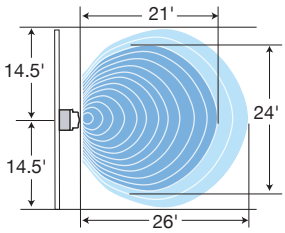
*Note: *Load can not exceed the rating of one switch.*
Sensor is shipped with all dip switches in the OFF position (factory default).

Wall Switches Coverage Patterns

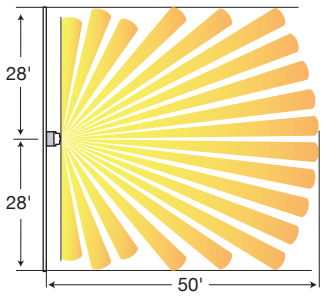
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



AD2000 Series



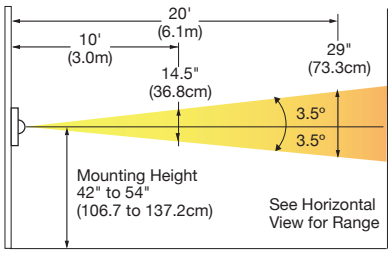
AU2000 Series



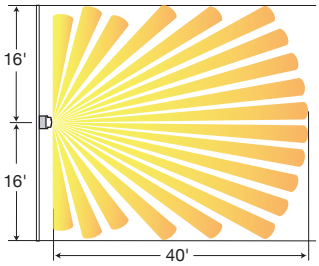
AP2000 Series

Wall Switches Coverage Patterns

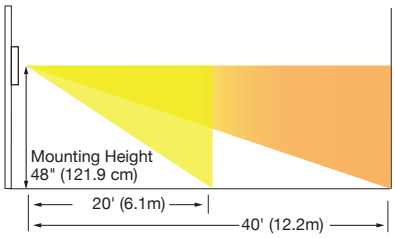
Minor Motion: PIR **Major Motion:** PIR



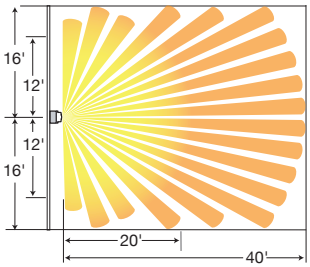
Vertical Coverage
AT1277 Series



AT1277 Series



Vertical Coverage
ATP2000, WS2000 Series



ATP2000, WS2000 Series

Adaptive Technology PIR Wall Switches AT1277 Series

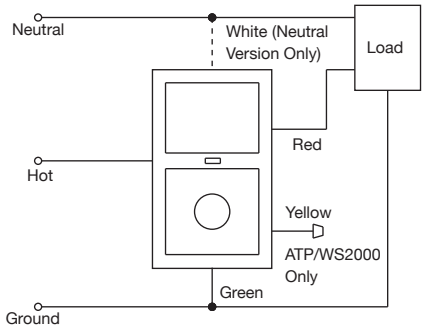
Electrical	AT1277 Series
Power Supply	120/277V AC, 50/60Hz
Load Capacity	
120V AC	0 to 1800 watts
277V AC	0 to 4155 watts
Agency Approvals	UL Listed, cULus Certified
Physical	
Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	Face 2.61"H x 1.29"W, 0.73"D (from wall out)
Mounting Height	42 to 54 inches above floor
Environmental	
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity
Storage	-20°F to 150°F (-29°C to 65°C); 20% to 90% non condensing relative humidity
Controls	
Time Delay	Digital, test (15 seconds), Adaptive 5 to 30 minutes
Ambient Light	Digital, pushbutton, 30 to 300 foot candles
Front Press Switch	Auto/Momentary Off (30 minutes after last motion, switch returns to automatic mode)
Service Switch	Auto/Off
Sensing Indicators	
Passive Infrared	2-color LED (red, green)

Adaptive Technology PIR Wall Switches ATP2000, WS2000 and WS1000 Series

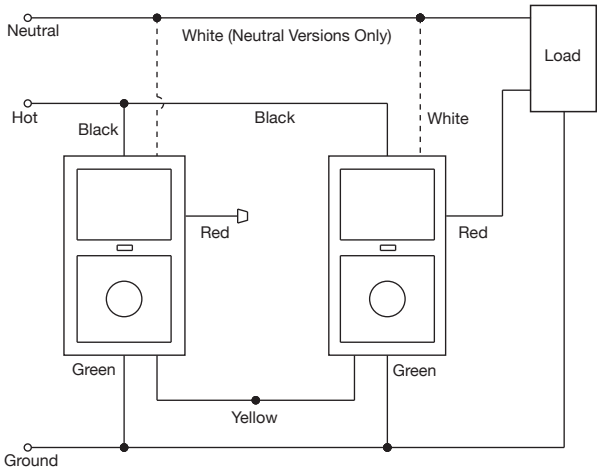
Electrical	ATP/WS2000 Series	WS1000 Series
Power Supply	120/277V AC, 60Hz	120V AC, 60Hz
Load Capacity		
Incandescent	0 to 1000 watts	0 to 500 watts
120V Ballast	0 to 1000 watts	0 to 500 watts
277V Ballast	0 to 1800 watts	N/A
Agency Approvals	cULus Listed	cULus Listed
Warranty	5 years	5 years
Physical	**ATP/WS2000 and WS1000 Series**	
Housing	Flame retardant UL 94 V-0 ABS	
Lens	Polyethylene	
Dimensions	Face 2.59"H x 1.30"W, 0.61"D (from wall out)	
Mounting Height	42 to 54 inches above floor	
Environmental	**ATP/WS2000 and WS1000 Series**	
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity	
Storage	-40°F to 150°F (-40°C to 65°C); 20% to 90% non condensing relative humidity	
Controls	**ATP/WS2000 Series**	**WS1000 Series**
Time Delay	ATP: Auto WS: Manual 20 seconds to 30 minutes	Manual 20 seconds to 30 minutes
Ambient Light	Digital, pushbutton, 10 to 500 foot candles	n/a
Front Press Switch	On/Off	On/Off
Service Switch	Off (service) Vac (manual-on) Occ (auto-on)	Off (service) On (normal operation)
Sensing Indicator	**ATP/WS2000 and WS1000 Series**	
Passive Infrared	Red LED	

Wiring Schematic ATP2000 and WS2000 Series Wall Switches

Normal Wiring



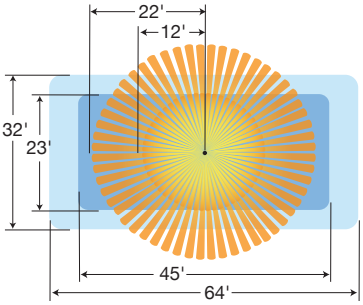
Sensors Wired as 3-Way Sensors*
(ATP/WS2000 Only)



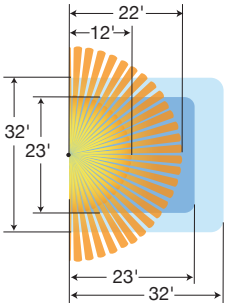
*Note: *Load can not exceed the rating of one switch.*

Ceiling Sensors Coverage Patterns

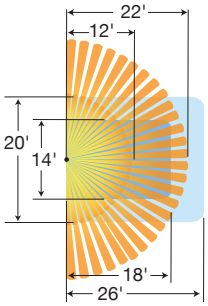
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



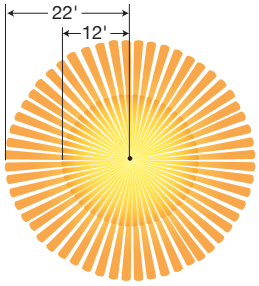
ATD2000C Series



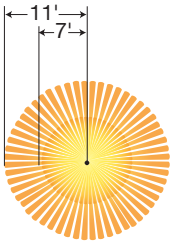
ATD1000C Series



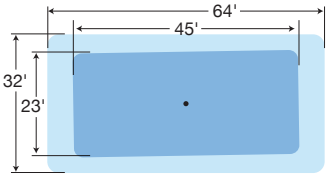
ATD500C Series



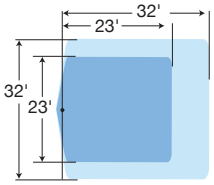
ATP1500C Series



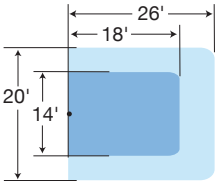
ATP600C Series



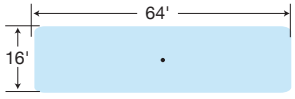
ATU2000C Series



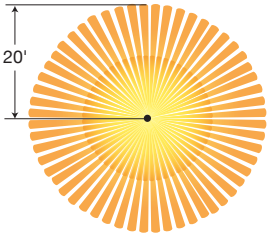
ATU1000C Series



ATU500C Series



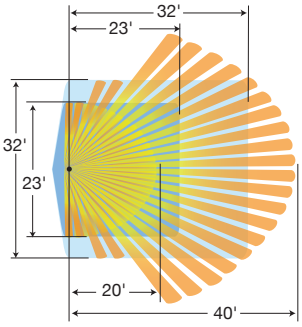
ATU2000C Series
Hallway Application



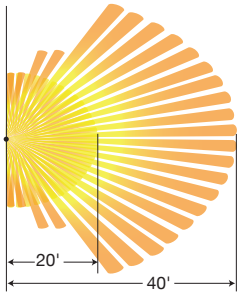
LVPR1500R(P)

Wall Mount Sensors Coverage Patterns

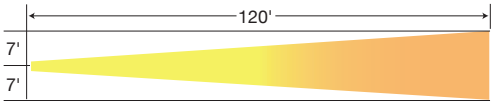
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



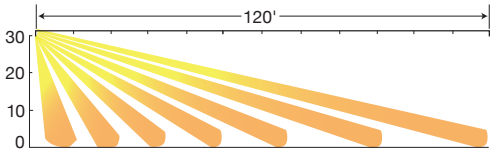
ATD1600W Series



ATP1600W Series



ATP120HB Series
Top View



Side View

Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors
ATD, ATU, and ATP Series

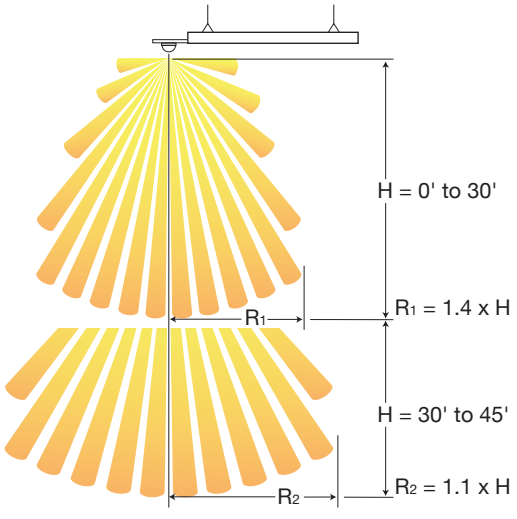
Electrical	
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit
Isolated Relay (sensors with RP suffix)	Normally open and normally closed Terminals available
Agency Approvals	UL Listed
Physical	**Ceiling Sensors**
Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	1.5"H x 4.5"D
Color	Office white
Mounting Height	8 to 12 feet
Physical	**Wall Mount Sensors**
Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	6"H x 2"W x 1.5"D
Color	Office white
Mounting Height	8 to 12 feet, 8 to 30 feet (ATP120HB series)
Environmental	
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non condensing relative humidity
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity
Controls	
Time Delay	Test (8 seconds), adaptive 8 to 40 minutes
Ambient Light	1 to 1000 foot candles
Sensitivity	Adaptive 0 to 100%
Sensing Indicators	
Ultrasonic (ATD and ATU Series)	Green LED
Passive Infrared (ATD and ATP Series)	Red LED

OPTIMYZER® High Bay
HMHB Series

User Interface	2 four-pin dip switches (standard version) 3 four-pin dip switches (photosensor version)
Timer time-outs	Primary: 8-second test mode – 4, 8, 16 and 30 minute time-outs Secondary: Can be disabled – 30, 60 and 90 minute time-outs
Passive infrared	Dual element pyrometer and spherical Fresnel lens
Photosensor Range (Photosensor version only)	50 to 3000 foot candles, set point adjustable
Coverage	360° (includes masking kit for aisle and end-of-aisle applications). Lens: Below 30 ft: 1.4 – 42 ft radius; mounted @ 30 ft; up to 45 ft: 1.1 - 49.5 ft radius; mounted @ 45 ft
Load ratings (line voltage units)	120V AC: 0 to 800 watts watts 277V AC: 0 to 1200 watts ballast 347V AC: 0 to 1500 watts ballast 208/240V AC: 0 to 1200 watts ballast 480V AC: 0 to 2400 watts ballast ¼-HP motor load @ 120V AC, 1/6 HP @ 347V
Operating environment (Indoor use only)	Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C); Relative humidity (non-condensing): 0% to 95%
Construction	Casing: High-impact injection-molded thermoplastic
Size and weight	Size: 4.4 inch x 3.6 inch x 2.0 inch; Weight: 7 oz.
Color	White
Mounting	Mounts directly to the end of a fixture through an extended ½ inch chase nipple. For deeper body fixtures, an optional Extender Adapter (available separately) positions the sensor flush or below the bottom of the reflector for a full field of view
Certifications	cULus Listed

Coverage Pattern

Minor Motion: PIR **Major Motion:** PIR

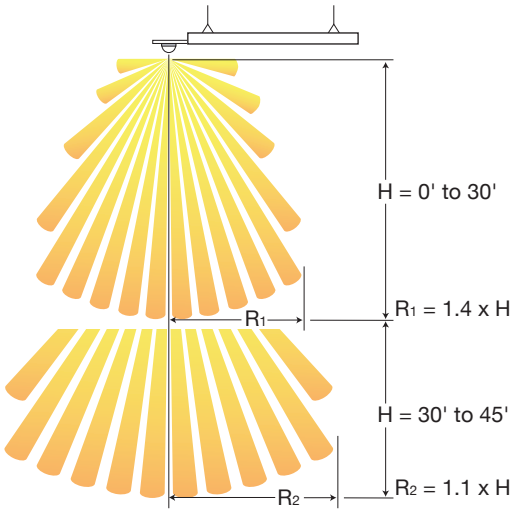


HMHBxxUPCW Series

User Interface	2 four-pin dip switches (standard version) 3 four-pin dip switches (photosensor version)
Timer time-outs	Primary: 8-second test mode 4, 8, 16 and 30 minute time-outs Secondary: Can be disabled 30, 60 and 90 minute time-outs
Passive infrared	Dual element pyrometer and spherical Fresnel lens
Photosensor Range (Photosensor version only)	50 to 3000 foot candles, set point adjustable
Coverage	360° (includes masking kit for aisle and end-of-aisle applications) Lens: Below 30 ft: 1.4 – 42 ft radius; mounted @ 30 ft.; Up to 45 ft.: 1.1 - 49.5 ft. radius; mounted @ 45 ft.
Load ratings (line voltage units)	120V AC: 0 to 800 watts ballast or tungsten 277V AC: 0 to 1200 watts ballast 347V AC: 0 to 1500 watts ballast 208/240V AC: 0 to 1200 watts ballast 480V AC: 0 to 2400 watts ballast ¼-HP motor load @ 120V AC, 1/6 HP @ 347V
Operating environment (Indoor use only)	Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C); (low temperature version): -40°F to 149°F (-40°C to 65°C) Relative humidity (non-condensing): 0% to 95%
Construction	Casing: High-impact injection-molded thermoplastic
Size and weight	Size: 4.4 inch x 3.6 inch x 2.0 inch; Weight: 7 oz.
Color	White
Mounting	Mounts directly to the end of a fixture through an extended ½ inch chase nipple. For deeper body fixtures, an optional Extender Adapter (available separately) positions the sensor flush or below the bottom of the reflector for a full field of view
Certifications	ETL, Conforms to UL STD 916, Certified to CAN/USA STD 22.2 No. 61010-1-04 and Title 24 Certified
Warranty	5 year limited

Coverage Pattern

Minor Motion: PIR **Major Motion:** PIR

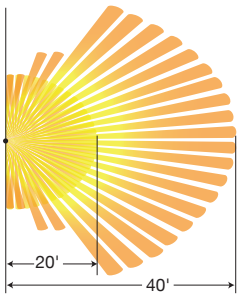


Harsh Environment Passive Infrared Ceiling and Wall Mount Sensors
AHP Series

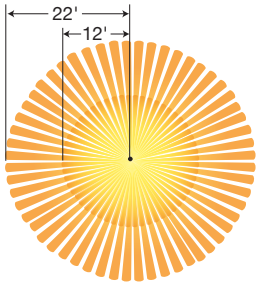
Electrical	
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit
Isolated Relay (sensors with RP suffix)	Normally open and normally closed Terminals available
Agency Approvals	cULus Listed
Physical	**Ceiling Sensor**
Housing	Flame retardant UL 94 V-0 ABS
Protection	NEMA 4X, when used with ACIPE
Lens	Polyethylene
Dimensions	1.5"H x 4.5"D
Color	Office white
Mounting Height	8 to 12 feet
Physical	**Wall Mount Sensor**
Housing	Flame retardant UL 94 V-0 Valox®
Protection	NEMA 4X, IP66, outdoor use rated
Lens	Polyethylene
Dimensions	6"H x 2"W x 1.5"D
Color	Gray
Mounting Height	8 to 12 feet
Environmental	
Operating	-40°F to 149°F (-40°C to 65°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non condensing relative humidity
Controls	
Time Delay	Test (8 seconds), adaptive 8 to 40 minutes
Ambient Light	1 to 1000 foot candles
Sensitivity	Adaptive 0 to 100%
Sensing Indicators	
Passive Infrared	Red LED

Coverage Pattern

Minor Motion: PIR **Major Motion:** PIR



AHP1600WRP

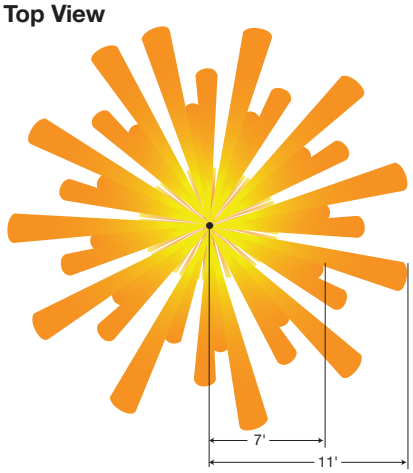


AHP1500CRP

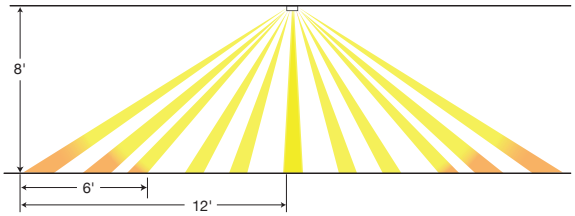
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Wireless Ceiling Mount Sensor Coverage Patterns

Top View



Side View



WLP450C

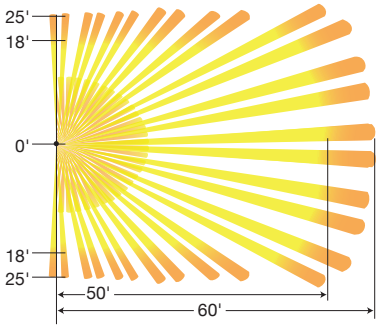
Sensor Coverage Chart (for sensor mounted in center of room)

Ceiling height	Maximum room dimensions for complete floor coverage*	
8 ft (2.4 m)	18 ft x 18 ft (5.5 m × 5.5 m)	324 ft^2 (30.2 m^2)
9 ft (2.7 m)	20 ft x 20 ft (6.1 m × 6.1 m)	400 ft^2 (37.2 m^2)
10 ft (3.0 m)	22 ft x 22 ft (6.7 m × 6.7 m)	484 ft^2 (44.9 m^2)
12 ft (3.7 m)	26 ft x 26 ft (7.9 m × 7.9 m	676 ft^2 (62.4 m^2)

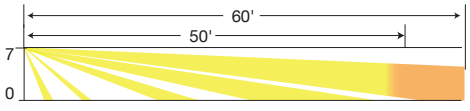
*Note: * 12 ft (3.7 m) is the recommended maximum mounting height*

Wireless Wall Mount Sensor Coverage Patterns

Top View



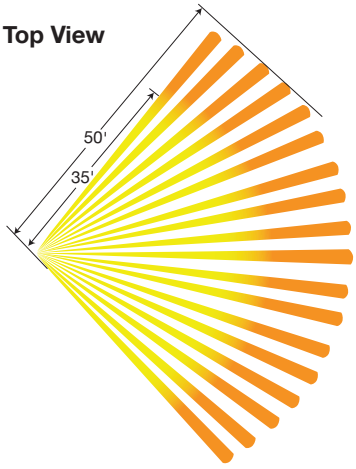
Side View



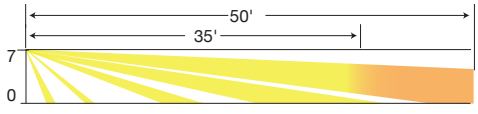
WLP3000W

Corner Mount Coverage Patterns

Top View



Side View



WLP2500W

*Note: *Sensor mounting shown at 7 ft (2.1 m). Mounting height should be between 6 and 8 ft (1.6 and 2.4 m).*

Clear Connect™ Enabled

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Wireless Hallway Sensor Coverage Patterns

Top View

Side View

WPL150H

Sensor Coverage Chart (Hallway)

Width of Hall	Length of Hall
6 ft (1.0 m) or less	50 ft (15.2 m)
8 ft (2.4 m)	100 ft (30.5 m)
10 ft (3.0 m) or more	150 ft (45.7 m)

*Note: *Sensor mounting shown at 7 ft (2.1 m). Mounting height should be between 6 and 8 ft (1.6 and 2.4 m).*

Specifications

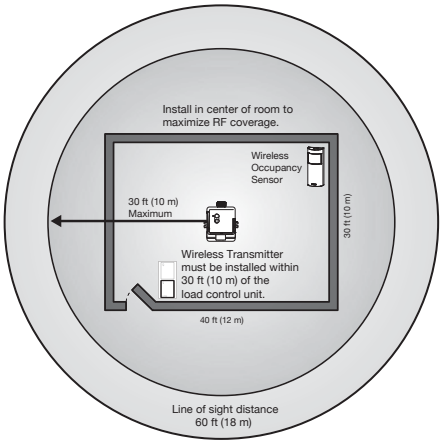
Electrical	Operating voltage: 3V Operating current: 14 µA nominal 10-year battery life design Supplied with one CR 123 lithium battery Non-volatile memory (saved changes are stored during power loss)
Construction	High impact, UL 94-5V plastic
Operating Environment	Indoor use only Operating temperature: 32˚F to 104˚F (0˚C to 40˚C)
Range	RF range is 30 ft (10m) obstructed, 60 ft (18m) line of sight
Sensor Coverage Test	Dedicated test button Lens illuminates orange in response to motion during test mode
Wireless Communication Test	Dedicated test button; Turn associated loads on and off
Time Out Options	1 minute (intended for use in high-activity, briefly occupied areas only); 5 minutes; 15 minutes (default setting); 30 minutes
Auto-On Options	“Enabled” – Sensor turns lights ON and OFF automatically – default setting “Disabled” – Lights must be turned ON manually from a switching device Sensor turns lights OFF automatically
Sensitivity Options	Low Activity (default setting); Medium Activity; High Activity
Certifications	cULus Listed, FCC Certified, IC Certified Meets CA (USA) Energy Commission Title 24 requirements
Warranty	1 year

Clear Connect Enabled *Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.*

Wireless Control Unit (WLC316R)

Electrical	Operating voltage: 120/277V, 50/60Hz LED status indicator: displays load status and provides programming feedback Power failure memory: (Relay returns to previous level prior to interruption) Output is non-latching
Operating Environment	Indoor use only Ambient operating temperature: 32°F to 131°F (0°C to 55°C); Relative humidity: 0% to 90% humidity, non-condensing
Load	Maximum load: 16A general purpose. No minimum Motor rating: 0.5 HP (120V AC), 1.5 HP (277V AC)
Isolated Relay	Normally open (NO) and normally closed (NC) dry contacts Maintained latching output The isolated relay is not rated to control unclamped, inductive loads. Inductive loads include, but are not limited to relays, solenoids and motors. To control these types of equipment
Range	RF range is 30 ft (10m) obstructed, 60 ft (18m) line of sight
Certifications	UL Listed, UL 2043 Plenum Rated, FCC Approved. Complies with the limits for a Class B device, pursuant to Part 15 of the FCC rules. CSA and IC
Warranty	1 year

Range Diagram



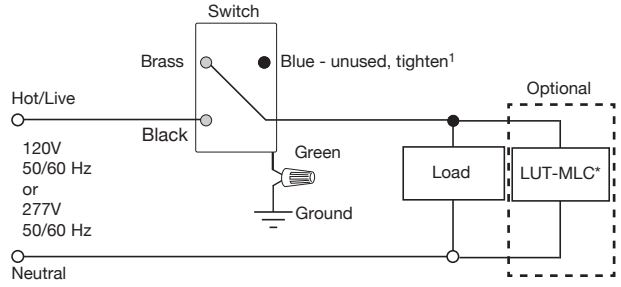
Contact Hubbell first for applications using foil-backed or metallic ceiling tiles.

Wireless Wall Switch (WLS1278 Series)

Electrical	Operating voltage: 120/277V, 50/60Hz Green indicator light
Operating Environment	Indoor use only Ambient operating temperature: 32°F to 104°F (0°C to 40°C), Relative humidity: 0% to 90% humidity, non-condensing
Wire Size	#20 to 16 AWG (0.5 to 1.5mm^2) solid or stranded wire
Capacity	Up to 9 WLAS accessory switches can be configured to work together with one WLS1278
Range	RF range is 30 ft (10m) obstructed, 60 ft (18m) line of sight
Certifications	UL Listed, CSA Certified, FCC Approved Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules
Warranty	1 year

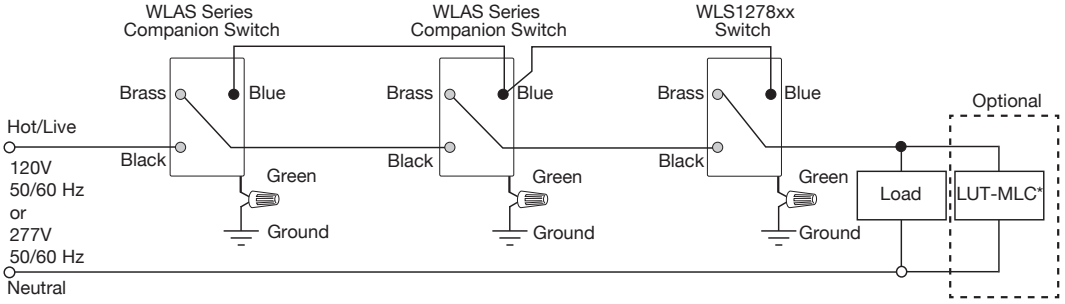
Wiring Diagram - Wireless Wall Switch (WLS1278 Series)

Single Location Installation
WLS1278xx*



*Note: *The included LUT-MLC ensures proper function when fluorescent, CFL, or LED loads are used. Install the LUT-MLC inside a load fixture or in a separate J-box of the circuit.*
1 When using controls in single location installations, tighten the blue terminal without any wires attached. DO NOT connect the blue terminal to any other wiring or to ground.
2 Up to 9 Accessory Switches may be connected to the Wireless Switch. Total blue terminal wire length may be up to 250 ft (76m).
3 Requires WLAS120 for 120V applications, and WLAS277 for 277V applications.

Multi-Location Installation[2]
with WLAS1278xx or WLAS277xx[3]



Clear Connect™ Enabled

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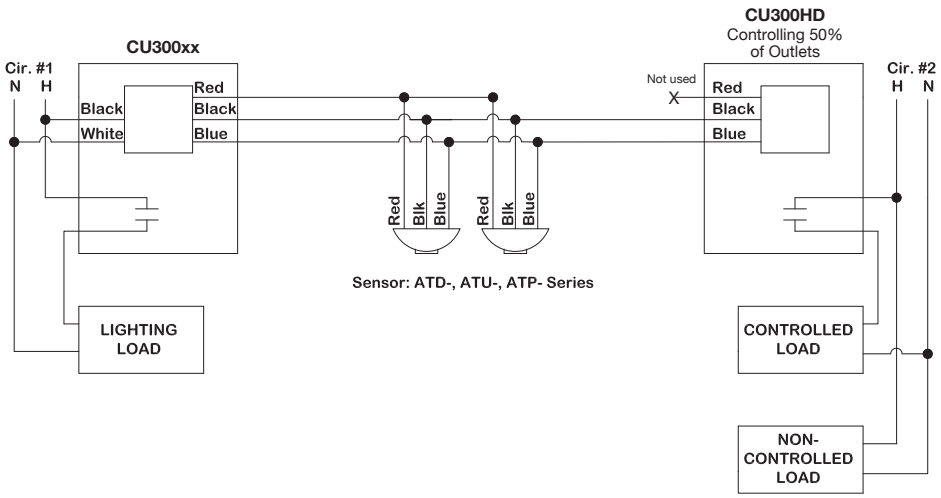
Control Units - CU300/347A Series

Electrical	CU300A(M)	CU347A	CU300HD
Power Supply	120-277V AC, 50/60Hz	347V AC, 60Hz	100-277V AC, 50/60 Hz
Power Output	24V DC, 150mA	24V DC, 100mA	24V DC 250mA
Load Capacity			
Incandescent	0 to 1800 watts	NA	100-277V, 20A Enclosed Switching
120V Ballast	0 to 2400 watts	NA	Motor Loads:
230V Ballast	NA	NA	1HP @ 120V
277V Ballast	0 to 5540 watts	NA	2HP @ 240/277V
347V Ballast	NA	0 to 5205 watts	
AT Sensor/AAR Capacity	1 to 4 combined	1 to 3 combined	1 to 6 combined
Agency Approvals	UL Listed, cULus Certified	UL Listed, cULus Certified	UL Listed, cULus
Physical			
Housing	Flame retardant UL 94-5VA thermoplastic		Flame retardant UL 94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H		4.00"L x 3.4"W x 1.73"H
Color	Black		Black
Environmental			
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non condensing relative humidity		See CU300HD data sheet for ratings
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non condensing relative humidity		

Add-A-Relay - AAR

Electrical	
Power Input	24V DC nominal, 33mA from Hubbell CU series control unit
Load Capacity	
Incandescent	0 to 1800 watts
120V Ballast	0 to 2400 watts
230V Ballast	0 to 3680 watts
277V Ballast	0 to 5540 watts
347V Ballast	0 to 5205 watts
Agency Approvals	UL Listed
Physical	
Housing	Flame retardant UL 94-5V thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H
Color	Black
Environmental	
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non condensing relative humidity
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non condensing relative humidity

Wired Lighting and Plug Load Control

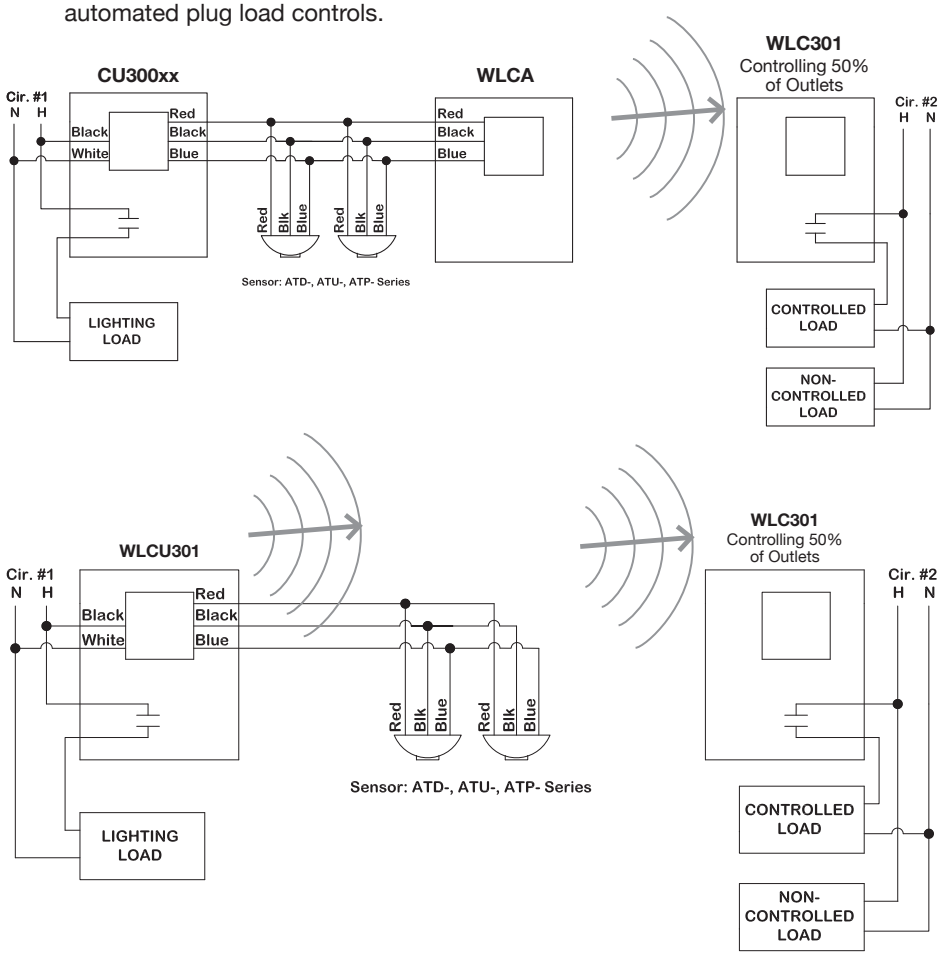


WLC Load Control with Wireless Clear Connect Communication

Electrical	WLCA	WLCU301	WLC301	WLC302	WLC402W
Power Supply	24V DC	100-277V AC, 50/60Hz	100-277V AC, 50/60Hz	100-277V AC, 50/60Hz	100-277V AC, 50/60Hz
Power Output	N/A	24V DC 250mA	N/A	N/A	N/A
Circuits Controlled	N/A	1	1	2	2
Load Capacity		100-277V, 20A 1HP @ 120V AC 2HP @ 240/277V	100-277V, 20A 1HP @ 120V AC 2HP @ 240/277V	100-277V, 20A 1HP @ 120V AC 2HP @ 240/277V	100-277V, 20A 1HP @ 120V AC 2HP @ 240/277V
Agency Approvals	UL Listed, cULus, FCC, IC				
Device Type (Transmit or Receive)	TX	TX	RX	RX	RX
Range (Standard/ Obtructed)	30 ft (10m)	30 ft (10m)	30 ft (10m)	30 ft (10m)	30 ft (10m)
Range (Unobstructed, line of site)	60 ft (30m)	60 ft (30m)	60 ft (30m)	60 ft (30m)	60 ft (30m)
Physical					
Housing			Flame retardant UL 94-5VA thermoplastic		
Dimensions			4.00"L x 3.4"W x 1.73"H		4.68"L x 4.94"W x 2.78"H
Color	Black	Black	Black	Black	White

Wireless Lighting and Plug Load Control

Easily upgrade existing occupancy based lighting control systems to support automated plug load controls.



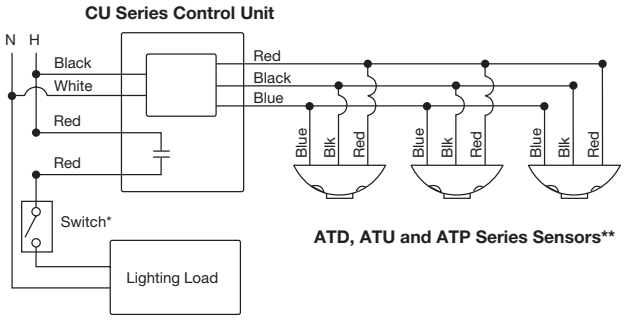
Use WLC302 or 402 for dual circuit control)

Clear Connect™ Enabled

Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.

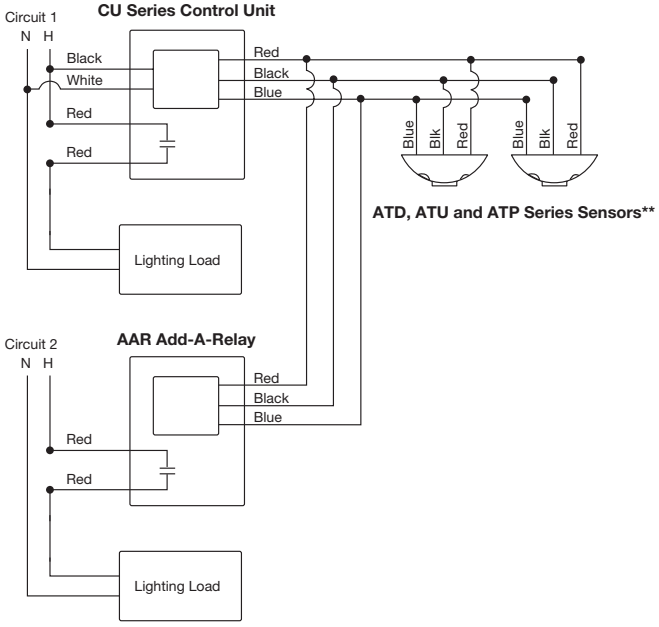
Adaptive Dual Technology, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

Single Circuit Application:
1 to 4 sensors wired to control unit with optional override off switch.



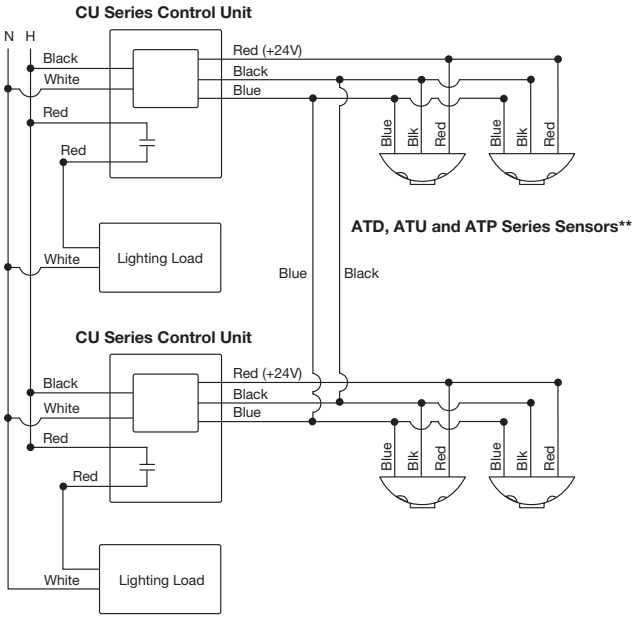
*Optional Override Off Switch

Two Circuit Application:
1 to 4 sensors wired to control unit and Add-A-Relay (control unit switches circuit 1, Add-A-Relay switches circuit 2).

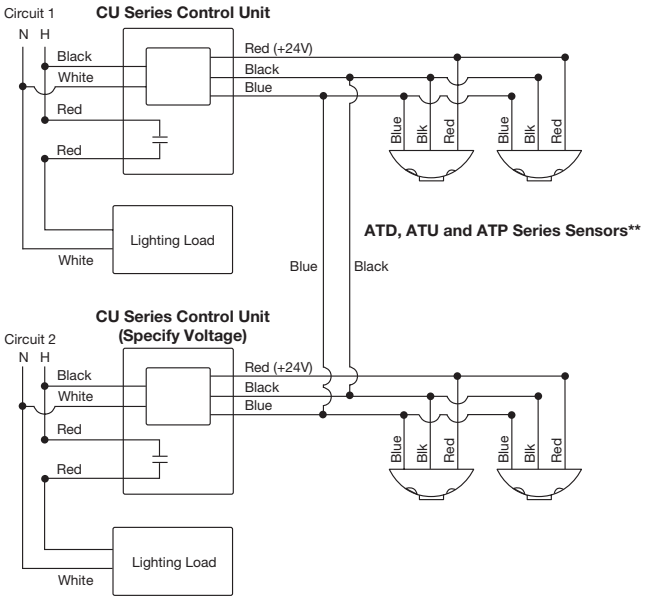


*Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.*

Single Circuit Application:
Two control units wired in parallel to operate 5 to 8 sensors in a single zone. Maximum 4 sensors per control unit any sensor will activate lighting.

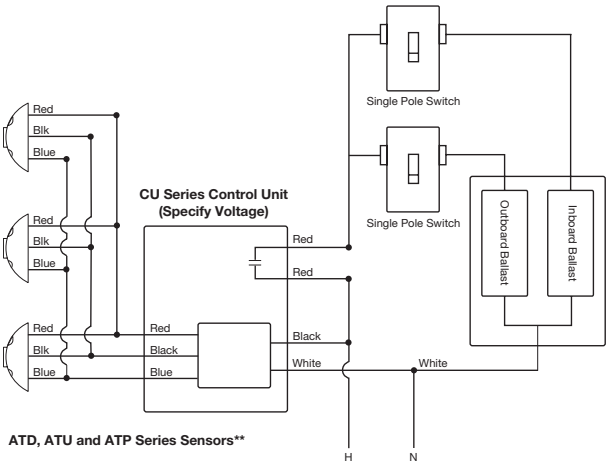


Two Circuit Application:
Two control units wired in two circuits to operate 2 to 8 sensors in a single zone. Maximum 4 sensors per control unit any sensor will activate both lighting loads.

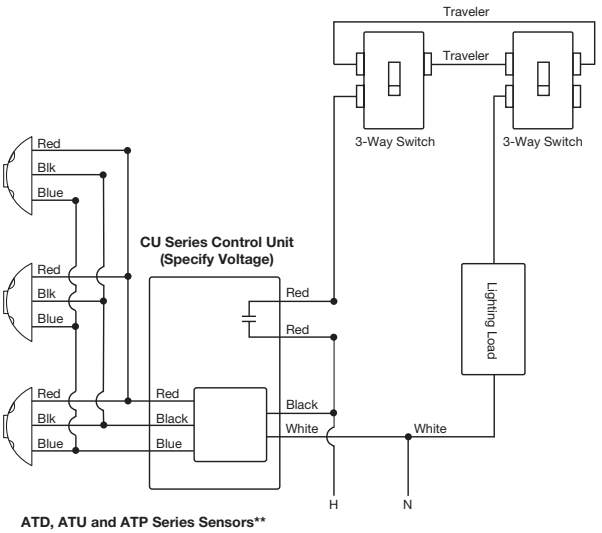


Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

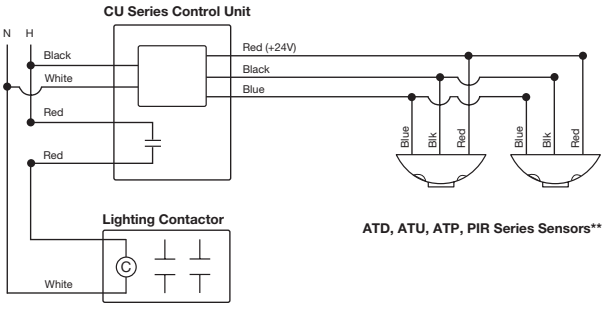
Single Circuit, Dual Level Switching Application:
1 to 4 sensors wired to control unit with optional override off switches.



Single Circuit, 3-Way Switching Application:
1 to 4 sensors wired to control unit with optional override off switches.

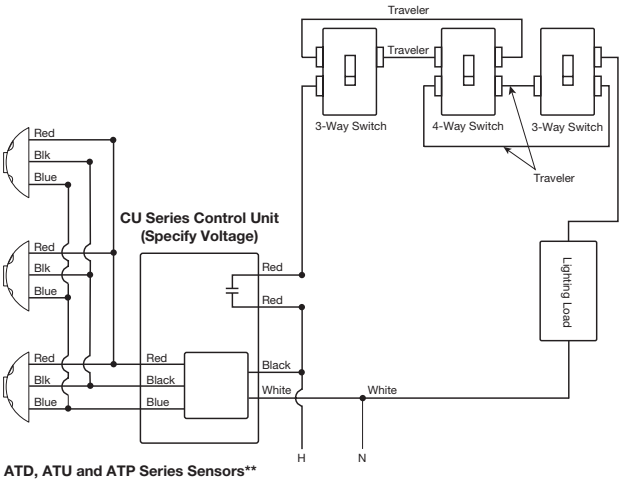


Multi-Circuit Application:
1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.



Multipole, Normally Open Lighting contactor to be supplied by Contractor

Single Circuit, 4-Way Switching Application:
1 to 4 sensors wired to control unit with optional override off switches.



*Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.*

Section F
Switched Disconnects and Enclosures

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Circuit-Lock® Unfused Disconnect Switches

Fused Disconnects, MotorQuick® and VFDs

Hazardous Locations

NEMA 1, 3/3R and 4X Disconnect Switches

Hubbell's Circuit-Lock® Manual Motor Controllers

"Suitable as Motor Disconnects"

Hubbell manufactures one of the most complete lines of motor disconnects on the market. Designed to ensure maximum reliability and performance, Hubbell Circuit-Lock® motor controllers meet or exceed all industry requirements. Because our Circuit-Lock® motor controllers are also disconnects, they ensure safety, compliance, flexibility and productivity for today's industrial and commercial environments. Whether controlling motor loads, safely terminating power or isolating equipment, Hubbell has the solution for you—no matter what the environment or application.

Hubbell Safety

Safety of personnel and equipment is paramount in any manufacturing environment. Hubbell Circuit-Lock® motor controllers withstand short circuits and provide a high degree of safety across the factory floor. Disconnect Switches for Variable Frequency Drives (VFDs) safely terminate power to prevent risk of injury and damage to high-performance output devices used for controlling today's conveyor systems.

Hubbell Flexibility

With Hubbell's wide range of Circuit-Lock® motor controllers and disconnects that offer several mounting options, NEC® line of sight requirements are easily achieved at the equipment or on the wall in virtually any industrial environment. Switches with a compact footprint, a variety of NEMA® type enclosures and plug-and-play LINKOSITY® make switch placement easier and more flexible than ever.

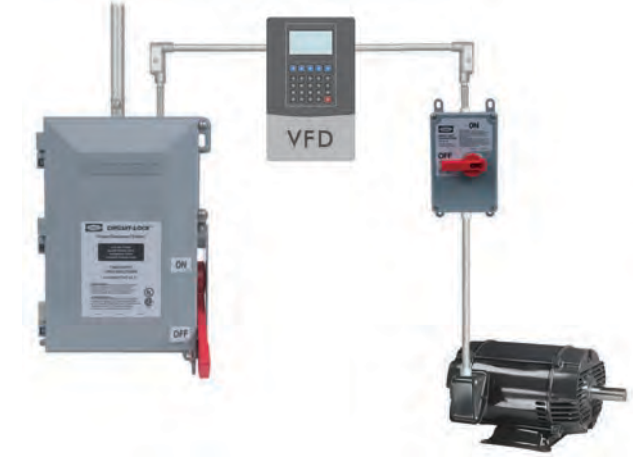
Hubbell Compliance

Compliance with codes and regulations is a must in any industrial environment. Hubbell motor controllers meet a variety of requirements, including OSHA lockout/tagout, NSF certification for hygiene and hazardous location ratings. Each Circuit-Lock® motor controller is UL listed as "Suitable as Motor Disconnect". The NEC® allows for the disconnect and controller to be in one unit.

Hubbell Productivity

Circuit-Lock® keeps assembly lines, goods and services moving. By offering a dual motor controller-disconnect rating, power can be safely terminated at any point in the circuit to perform maintenance on a single motor without shutting down the entire line. With the plug-and-play LINKOSITY® power system, MotorQuick® reduces motor change-out time by more than 65% to get equipment up and running faster.

Variable Frequency Disconnects



Each Controller is Also a Disconnect

NEC® is a registered trademark of the National Fire Protection Association (NFPA).
NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Ratings Quick Reference Guide

Circuit-Lock® Switched Enclosures

Amp	Description	Phase	Poles	HP 120	HP 240	HP 480	HP 600	Catalog Number
30	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQR**
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQ5**
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQR2**
	NEMA 1 Aluminum	1	2	2	5	10	15	**HBL1372D**
	NEMA 1 Aluminum	3	3	3	7.5	15	20	**HBL1379D**
	NEMA 1 Non-Metallic	1	2	2	5	10	15	**HBL1392D**
	NEMA 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389D**
	NEMA 3/3R Non-Metallic	1	2	2	5	10	15	**HBL13R22D**
	NEMA 3/3R Non-Metallic	3	3	3	7.5	15	20	**HBL13R23D**
	NEMA 3R Die Cast Aluminum	1	2	2	5	10	15	**HBL13R12D**
	NEMA 3R Die Cast Aluminum	3	3	3	7.5	15	20	**HBL13R13D**
	NEMA 3R Aluminum	1	2	2	5	10	15	**HBL13R92D**
	NEMA 3R Aluminum	3	3	3	7.5	15	20	**HBL13R89D**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3AC**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3NK**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3ACNK**
	TYPE 4X Non-Metallic	3	3	1	5	10	10	**HBLDS33ACNK**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQR**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQ5**
	TYPE 4X Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQR2**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SS**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSAC**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSVFD**
	TYPE 4X Stainless Steel	3	3	2	7.5	15	15	**HBLDS3SSMQR**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSMQ5**
	TYPE 4X Non-Metallic Fused Disconnect	3	3	1	7.5	15	20	**FDS30**
	NEMA 4X Stainless Steel	3	3	3	7.5	15	20	**HBL13S33D**
	NEMA 4X Non-Metallic	3	3	3	7.5	15	20	**HBL13X33D**
60	NEMA 3R Aluminum	1	2	—	10	15	20	**HBL16R92D**
	NEMA 3R Aluminum	3	3	—	10	25	30	**HBL16R93D**
	TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS6**
	TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS6AC**
	TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS6SS**
	TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS6SSAC**
	TYPE 4X Non-Metallic Fused Disconnect	3	3	3	15	30	40	**FDS60**
	NEMA 4X Stainless Steel	3	3	—	10	25	30	**HBL16S63D**
	NEMA 4X Non-Metallic	3	3	—	10	25	30	**HBL16X63D**
100	TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS10**
	TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS10AC**
	TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS10SS**
	TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS10SSAC**

HBL1379D

HBL13R89D

HBLDS3

HBL16R93D

HBL13S33D

FDS30

HBLDS3SS

HBL16S63D

HBLDS3MQR

HBLDS3MQ5

Circuit-Lock® Switches

Amp	Description	Phase	Poles	HP 120	HP 240	HP 480	HP 600	Catalog Number
30	Toggle Switch	1	2	2	5	10	15	**HBL7832D**
	Short Toggle Switch	1	2	2	5	10	15	**HBL7832DS**
	Toggle Switch, Bulk Pack	1	2	2	5	10	15	**HBL7832DX**
	Toggle Switch	3	3	3	7.5	15	20	**HBL7810D**
	Short Toggle Switch	3	3	3	7.5	15	20	**HBL7810DS**
40	Toggle Switch	1	2	2	5	10	15	**HBL7842D**
	Toggle Switch	3	3	3	7.5	15	20	**HBL7843D**
50	Toggle Switch	1	2	2	5	10	15	**HBL7852D**
	Toggle Switch	3	3	3	7.5	15	25	**HBL7853D**
—	Finger guard (30–50A Switches)	—	—	—	—	—	—	**HBLFG30**
60	Toggle Switch	1	2	—	10	15	20	**HBL7862D**
	Toggle Switch	3	3	—	10	25	30	**HBL7863D**
	Toggle Switch – Front Wire	1	2	—	10	15	20	**HBL7862FWD**
	Toggle Switch – Front Wire	3	3	—	10	25	30	**HBL7863FWD**
85	Toggle Switch	1	2	—	10	15	20	**HBL7882D**
	Toggle Switch	3	3	—	10	25	40	**HBL7883D**

HBL7810D

HBL7853D

HBL7862D

HBL7863D

Circuit-Lock® 30, 60, and 100 Ampere Unfused Disconnect Switches

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. NEC section 430.109(A)(6) recognizes that a manual motor controller and disconnect can be the same unit, provided it has been tested for this purpose. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements. In addition, the enclosure offers the ability to lock directly wired motor loads in the OFF position to comply with OSHA Lockout/Tagout regulations. This safety enclosure is Type 4X (Wash down, Corrosion resistant) and is also suitable for use with metallic conduit. The switch is mounted on an internal frame that is integral with the enclosure and bonds all grounds, and it accepts auxiliary contacts that can be used to signal PLC controllers.

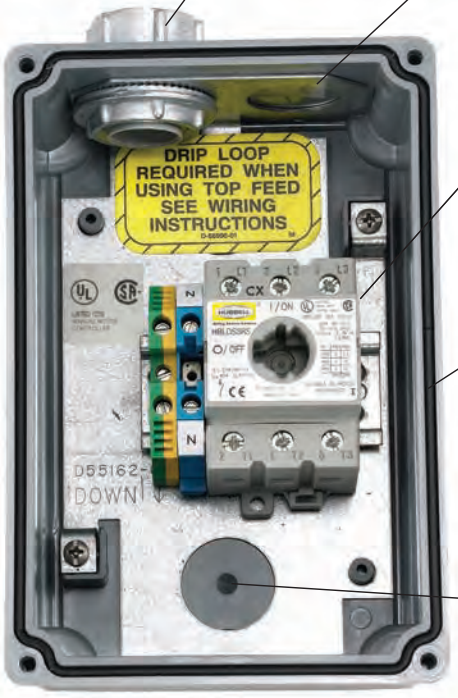
Stainless steel hardware for corrosion resistance

High visibility red handle can be locked in the OFF position as a method of compliance with OSHA Lockout/ Tagout requirements

Type 4X enclosure is molded of rugged Valox® to resist abuse, corrosion and enhance safety

Molded-in conduit opening and field installed hub

Internal frame automatically bonds all grounds



HBLDS3

Reversible interior accommodates top or bottom conduit opening

Captured neoprene gasket provides a watertight seal between cover and base

Three molded-in conduit drill points are located on the top, bottom, and back surface of enclosure

Circuit-Lock® Unfused Disconnect Switches are available in 30, 60 and 100 Amp, 600V AC ratings.

Auxiliary contacts are available for control circuit applications including the ON/OFF control of pilot lights or signal for programmable controllers.

Conduit hub and adjustable mounting feet are supplied for ease of installation.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Circuit-Lock® Unfused Disconnect Switches

"Suitable as Motor Disconnects"

UL Listed, CSA Certified
TYPE 4, 4X and
12 Enclosure Rating

IP66
SUITABILITY

Unfused Disconnect Switches in Non-Metallic Enclosure*

Description	Catalog Number
30A Circuit-Lock disconnect switch.	**HBLDS3**
30A Circuit-Lock disconnect switch for use with variable frequency drives.	**HBLDS3VFD**
30A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact.	**HBLDS3AC**
30A Circuit-Lock disconnect switch with HBLAC2 auxuliary contact.	**HBLDS3AC2**
30A Circuit-Lock disconnect switch without conduit knockout or conduit fitting.	**HBLDS3NK**
30A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact without conduit knockout or conduit fitting.	**HBLDS3ACNK**
30A Circuit-Lock disconnect switch with 3 auxuliary contacts, w/o conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed".	**HBLDS33ACNK**
60A Circuit-Lock disconnect switch.	**HBLDS6**
60A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact.	**HBLDS6AC**
60A Circuit-Lock disconnect switch for use with variable frequency drives.	**HBLDS6VFD**
100A Circuit-Lock disconnect switch.	**HBLDS10**
100A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact.	**HBLDS10AC**
100A Circuit-Lock disconnect switch for use with variable frequency drives.	**HBLDS10VFD**

HBLDS3

Unfused Disconnect Switches in Stainless Steel Enclosure*

Description	Catalog Number
30A Circuit-Lock disconnect switch.	**HBLDS3SS**
30A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact.	**HBLDS3SSAC**
30A Circuit-Lock disconnect switch for use with variable frequency drives.	**HBLDS3SSVFD**
60A Circuit-Lock disconnect switch.	**HBLDS6SS**
60A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact.	**HBLDS6SSAC**
60A Circuit-Lock disconnect switch for use with variable frequency drives.	**HBLDS6SSVFD**
100A Circuit-Lock disconnect switch.	**HBLDS10SS**
100A Circuit-Lock disconnect switch with HBLAC1 auxuliary contact.	**HBLDS10SSAC**
100A Circuit-Lock disconnect switch for use with variable frequency drives.	**HBLDS10SSVFD**

HBLDS3SS

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1****
"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2****

HBLAC1

HBLAC2

*Note: *Certified by NSF, International.*
***Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*
30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.
60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.

Variable Frequency Drive Diagram

IP66
SUITABILITY

HBLDS3RC

Replacement Covers

Description	Catalog Number
For 30A non-metallic switches.	**HBLDS3RC**
For 30A stainless steel switches.	**HBLDS3SSRC**
For 60A non-metallic switches.	**HBLDS6RC**
For 60A stainless steel switches.	**HBLDS6SSRC**
For 100A non-metallic switches.	**HBLDS10RC**
For 100A stainless steel switches.	**HBLDS10SSRC**

HBL30RGB

HBL30RNB

Replacement Ground Block

Description	Catalog Number
For 30A switches.	**HBL30RGB**
For 60A and 100A switches.	**HBL60100RGB**

Replacement Neutral Block

Description	Catalog Number
For 30A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**

HBLDS3RS

Replacement Switches

Description	Catalog Number
For 30A switches.	**HBLDS3RS**
For 60A and 100A switches.	**HBLDS60100RS**
For HBLDS33ACNK.	**HBLDS33ACRS**

HBLRFT1

Replacement Mounting Feet

Description	Catalog Number
For 30A non-metallic switches.	**HBLRFT1**$^{\Delta}$
For 60A and 100A non-metallic switches.	**HBLRFT2**$^{\Delta}$

Note: $^{\Delta}$ *Package of 10 feet and 10 screws.*

Dimensions

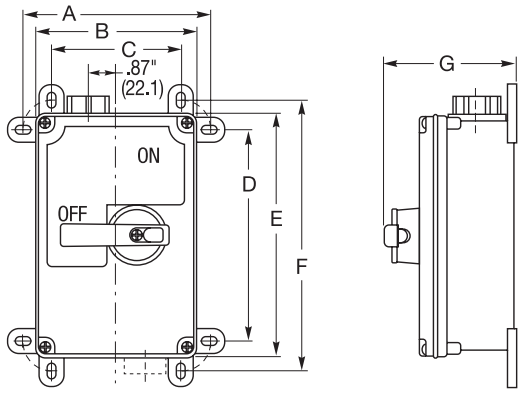
Key	Non-Metallic 30A inch	(mm)	Non-Metallic 60A/100A inch	(mm)	Stainless Steel 30A inch	(mm)	Stainless Steel 60A/100A inch	(mm)
A	6.00	(152)	7.75	(197)	—		—	
B	5.12	(130)	6.87	(175)	4.87	(124)	7.30	(185)
C	4.12	(105)	4.75	(121)	3.30	(84)	5.50	(140)
D	6.62	(168)	8.00	(203)	—		—	
E	7.62	(194)	9.95	(253)	7.05	(179)	10.30	(262)
F	8.50	(216)	11.00	(279)	8.38	(213)	11.63	(296)
G	4.12	(105)	5.94	(151)	5.39	(137)	5.93	(151)

Horsepower Ratings

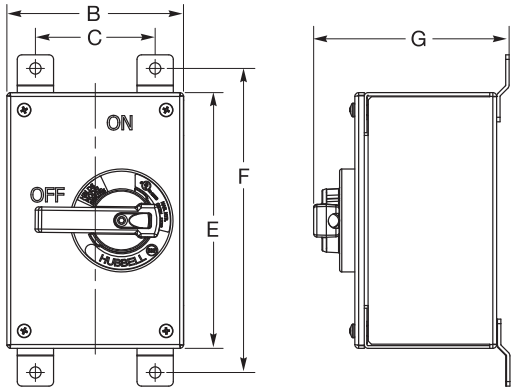
Voltage	30A	30A*	60A	100A
1Ø 120V AC	1	1	7.5	7.5
1Ø 200–240V AC	3	2.5	15	15
1Ø 480V AC	5	5	30	30
3Ø 200–240V AC	7.5	5	30	30
3Ø 480V AC	15	10	50	50
3Ø 600V AC	15	10	50	50

*Note: *HBLDS33ACNK.*

Non-Metallic



Stainless Steel



Circuit-Lock® Unfused Disconnect Switches

Specifications	
Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – 30, 60A and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Current Ratings (SCCR): (Motor Disconnect)	• 30/60/100A: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max. • 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max. • 60/100A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 100A max.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	Non-Metallic - External fully adjustable feet. Stainless Steel - Feet are fixed.
Impact Resistance	In accordance with UL 746C.

Materials		
Part	Non-Metallic	Stainless Steel
Base	Valox®	#14 Gauge Type 304 Stainless Steel
Top	Valox®	#14 Gauge Type 304 Stainless Steel
Handle	Valox®	Valox®
Conduit Hub	Zinc 30A Unfused - ¾ in. Zinc 60/100A Unfused - 1¼ in.	Zinc 30A - ¾ in. Zinc 60/100A - 1¼ in.
Enclosure Gasket	Neoprene	Neoprene
Shaft (Unfused)	Valox®	Valox®
Shaft Seal	Molded Neoprene	Molded Neoprene
Frame	Galvanized Steel	N/A
Enclosure Screws	Stainless Steel 300 Series	Stainless Steel

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

MotorQuick® significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches. Quick disconnect terminations will reduce motor change-out time by aproximately 65%. Keeping spare motors already pre-wired with a LINKOSITY® inlet enables wiring to be done off-line when it is convenient, not critical. Motor rotation can be pre-checked in a maintenance shop to further speed the installation.
The net result is that equipment is up and running in a fraction of the time, helping improve the bottom line.

MotorQuick® Cost of Ownership Analysis

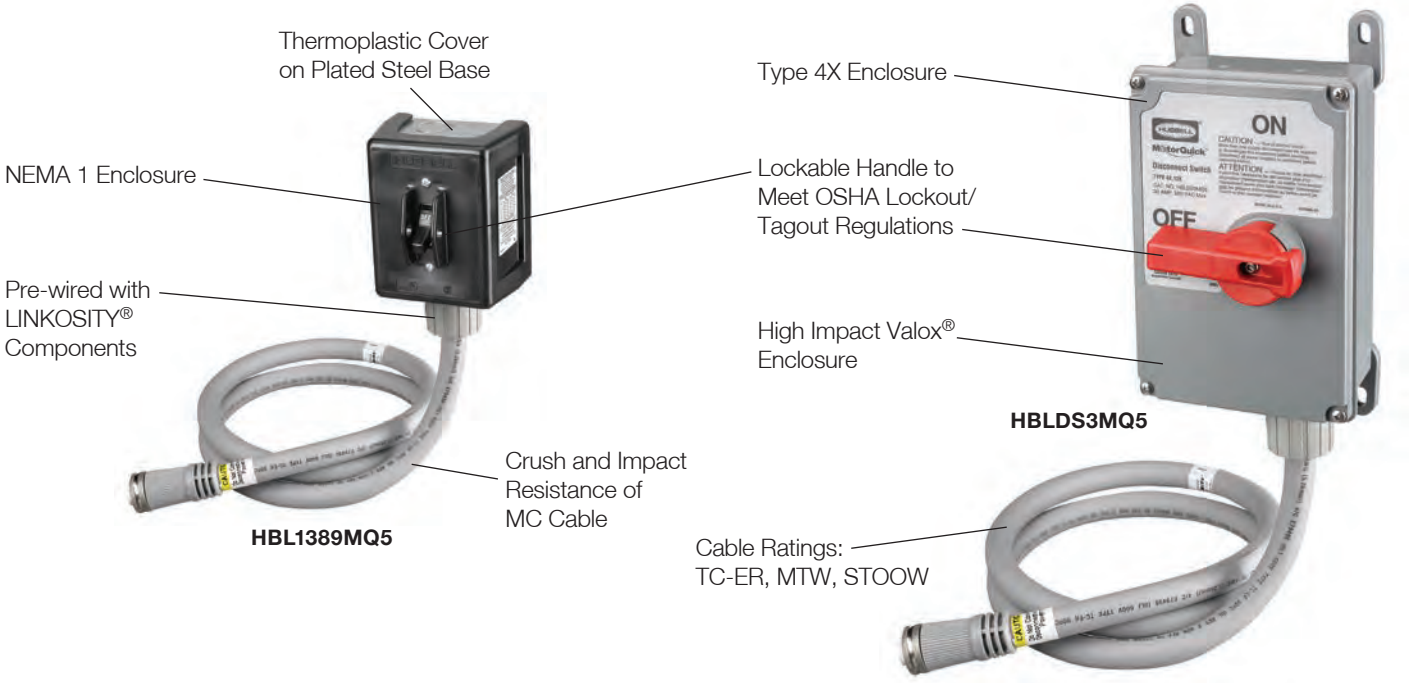
Traditional Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost
HBL1389D	$106.00	$53.00	1 hour	$53.00	$750.00	$750.00	$909.00
HBLDS3	$185.00	$53.00	1 hour	$53.00	$750.00	$750.00	$988.00

MotorQuick® Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	Total Savings
HBL1389MQ*	$299.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$566.67	**$342.33**
HBLDS3MQ*	$411.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$678.67	**$309.33**

*Note: *MotorQuick catalog numbers are based on the average cost of the various designs.*



Quick Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**
Type 4X Non-Metallic Enclosure 30A 3 Pole 600V AC	
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**
Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSMQR2**

HBL1389MQR2

HBL1389MQ5

HBLDS3MQR

HBLDS3MQ5

PH2030C

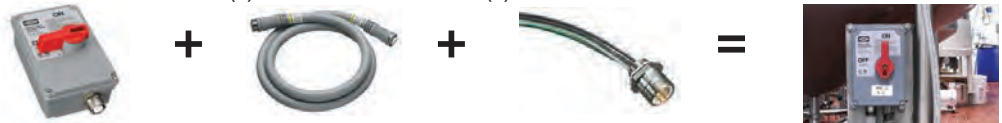
Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*

Sample Set Up

(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****

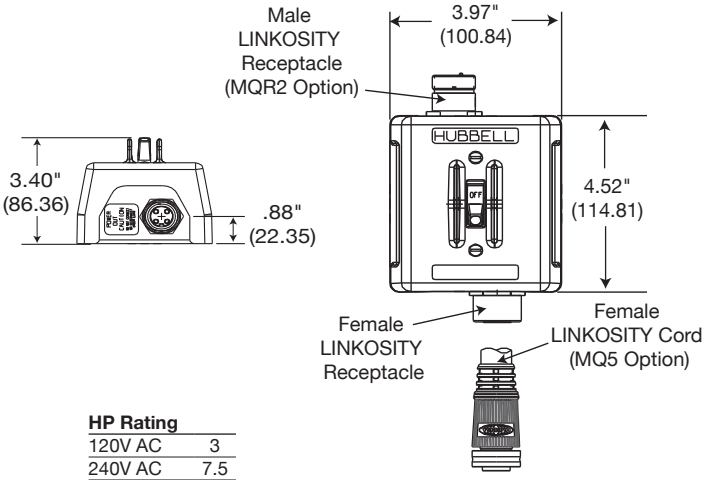


*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

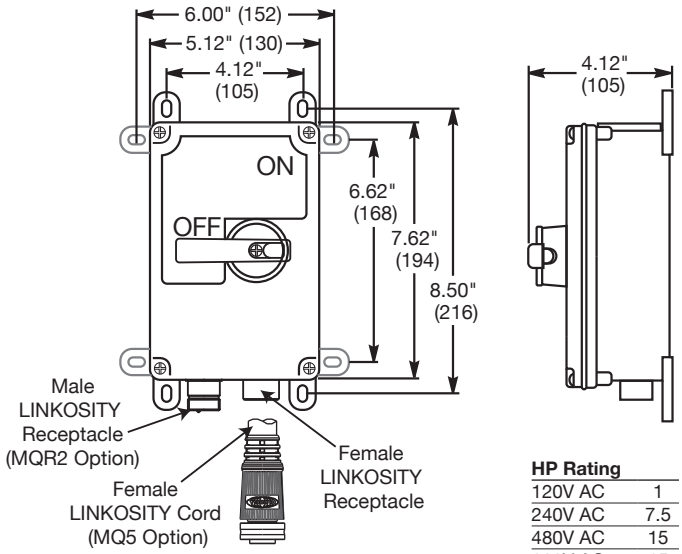
Dimensions

Type 1



HP Rating	
120V AC	3
240V AC	7.5
480V AC	15
600V AC	20

Type 4X



HP Rating	
120V AC	1
240V AC	7.5
480V AC	15
600V AC	15

Specifications

Specifications	Type 1	Type 4X
Electrical Performance		
Dielectric Voltage	2,200V AC minimum for 1 minute.	2,200V AC minimum for 1 minute.
Electrical Life	6,000 cycles with load.	6,000 cycles with load.
Max. Working Voltage	600V AC RMS.	600V AC RMS.
Short Circuit Current Ratings (SCCR): (Motor Disconnect)	10,000 RMS symmetrical amps when tested with 60A max J fuses.	• 30: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max.
Short Circuit Current Ratings (SCCR): (Motor Controller)	10,000 RMS symmetrical amps when tested with 125A RK5 fuses.	• 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max.
Mechanical		
Mechanical Life	10,000 minimum cycles.	10,000 minimum cycles.
	Amps AWG Min. AWG Max.	Amps AWG Min. AWG Max.
Terminal Accommodations	30 #14 #10	30 #14 #10
Terminal Torque	30 20 inch pounds	30 20 inch pounds
Impact Resistance	— — —	UL746C
Environmental		
Flammability	UL94HB/V-0.	UL94-5VA and V0 Classification.
Operating Temp.	Max. continuous 60°C	Max. continuous 75°C
	Min. continuous w/o impact -40°C	Min. continuous -40°C
Listings		
UL 508	Industrial Control Equipment File #E36355	Industrial Control Equipment File #E36355

LINKOSITY® Connection

Certifications	
Connecting Components	Listed to UL 2238 and UL 50E.
Electrical Performance	
Voltage	Up to 600V AC.
Amperage	Up to 30A.
Environmental	
Connectivity System Components	
Moisture Resistance	UL Type 4, 4X, 12 and 13.
Ingress Protection	IP67 Suitability.
Flammability	UL94HB cables / UL94V-0 receptacles.

Materials	
Connectivity System Components	
Contact Carrier	Nylon 6/6, white.
Contact Materials	Pins - brass.
	Sockets - leaded nickel copper w/ stainless steel sleeve.
Contact Plating	Hard gold over palladium/nickel.
Overmold Material	Glass filled polyurethane, gray.
Coupling Hardware	Nickel plated brass.
Cable (16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C.

Dimensions in Inches (mm)

Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.

Three molded-in conduit drill points are located on the top, bottom, and back surface of enclosure. Conduit hub provided: 30A 1 inch NPT, 60A 1¼ inch NPT

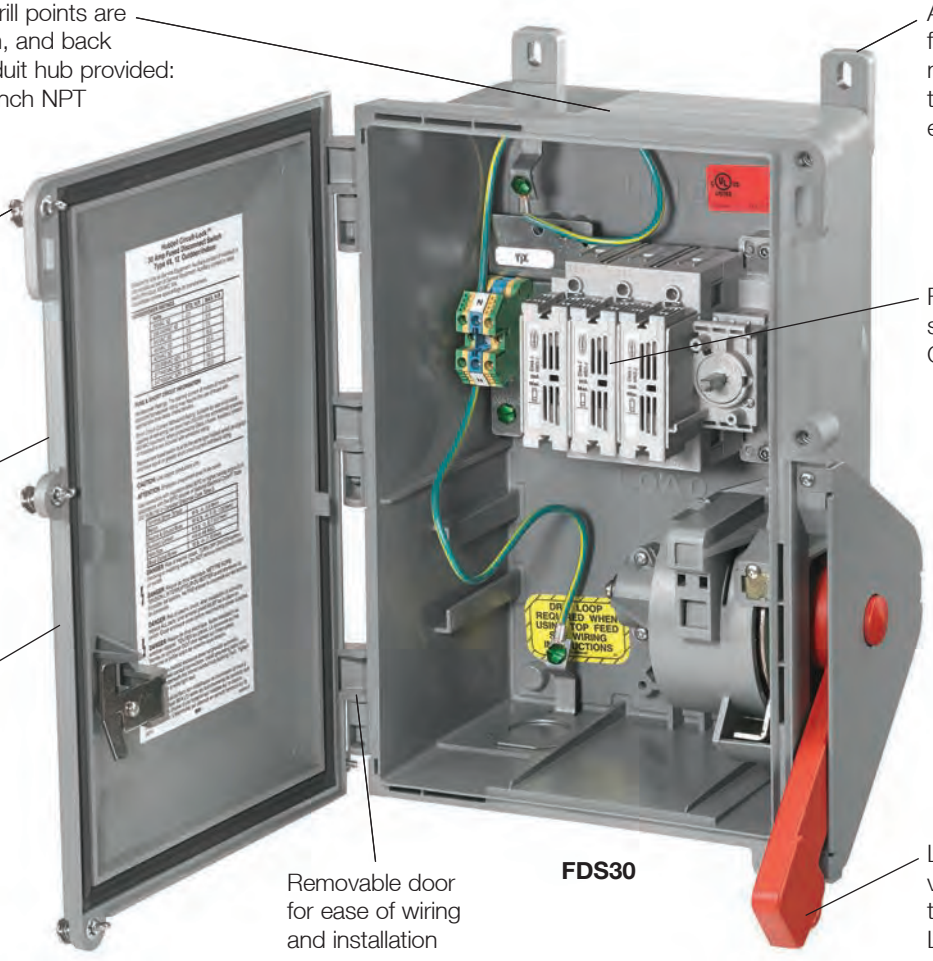
Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation

Stainless steel hardware for corrosion resistance

Fused disconnect switches accept Class "J" fuses

Safety interlocked fuse access door

Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged Valox® to resist abuse, corrosion and enhance safety. All external hardware is stainless steel



FDS30

Removable door for ease of wiring and installation

Lockable high visibility red handle to meet OSHA Lockout/Tagout

Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock® Fused Disconnect Switch.

Stainless steel ¼ inch turn door fasteners for quick, easy access to fuses.

Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened.

Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

UL Listed, CSA Certified
TYPE 4, 4X and
12 Enclosure Rating

IP66
SUITABILITY

FDS30

30 and 60 Amp Fused Disconnect Switches

Description	Catalog Number
30A Circuit-Lock fused disconnect switch.	**FDS30***
60A Circuit-Lock fused disconnect switch.	**FDS60***

*Note: *Class "J" fuses not included.*

ACFSNO

Auxiliary Contacts

Description	Catalog Number
Auxiliary contact, normally open, A600 pilot duty.	**ACFSNO**
Auxiliary contact, normally closed, A600 pilot duty.	**ACFSNC**

MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock fused disconnect switch.	**MICPK30**
For 60A Circuit-Lock fused disconnect switch.	**MICPK60**

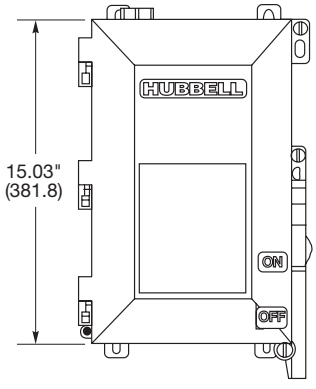
HBLRFT2

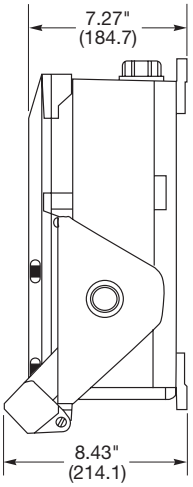
Replacement Mounting Feet

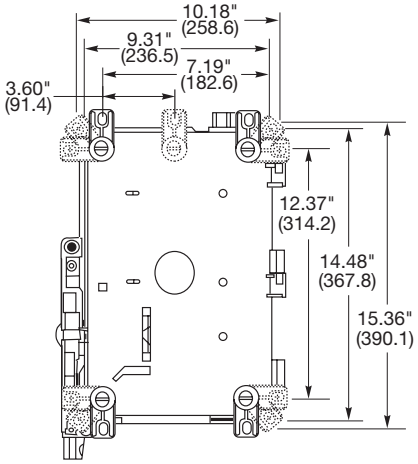
Description	Catalog Number
Replacement mounting feet and screws for 30A and 60A fused disconnect switches.	**HBLRFT2**[Δ]

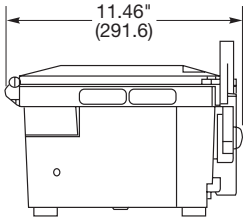
Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings.
60A Units supplied with two 1¼ in. NPT raintight conduit fittings.
[Δ] Package of 10 feet and 10 screws.

Dimensions









Dimensions in Inches (mm)

Horsepower Ratings

Ratings	Volts	Standard HP	Maximum HP*	Catalog Number
30A	120V AC	0.5	2	**FDS30**
600V AC	208-240V AC	1.5	3	
Max.	3Ø 240V AC	3	7.5	
	3Ø 480V AC	5	15	
	3Ø 600V AC	7.5	20	
	3Ø Y 120/208V AC	3	5	
	3Ø Y 277/480V AC	5	15	
	3Ø Y 347/600V AC	7.5	20	
60A	120V AC	1.5	3	**FDS60**
600V AC	208-240V AC	3	7.5	
Max.	3Ø 240V AC	7.5	15	
	3Ø 480V AC	15	30	
	3Ø 600V AC	15	50	
	3Ø Y 120/208V AC	7.5	15	
	3Ø Y 277/480V AC	15	30	
	3Ø Y 347/600V AC	15	40	

*Note: *Requires time delay fuses.*

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class “J” fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications	
Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class “J”; CSA Certified, HRCI-J.

Materials	
Part	Material
Base	Valox®
Door	Valox®
Handle	Valox®
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

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Hazardous Location Non-Fused Disconnect Switches

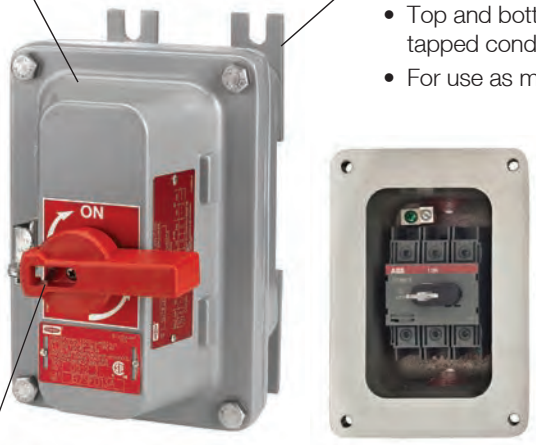
Hubbell's hazardous location line of non-fused disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.

Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones 1 & 2, Groups IIB+ H2, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III, NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)

Copper-free aluminum construction with electrostatically applied polyester/ epoxy finish to prevent corrosion

Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations

- 316 Stainless steel bolts
- Top and bottom drilled and tapped conduit entrances
- For use as motor disconnects

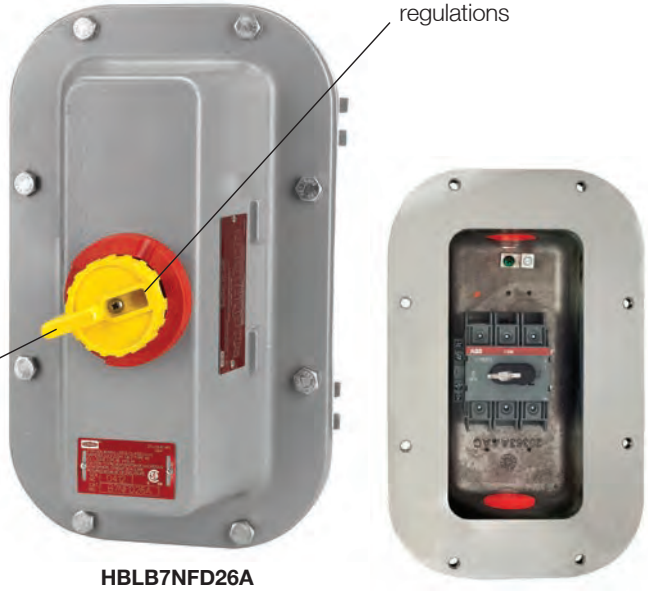


HBLB7NFD13A

Lockable handle to meet OSHA Lockout/Tagout regulations

Lockable handle to meet OSHA Lockout/Tagout regulations

Large visible rotary handle with "On-Off" indicator allows a quick means of disconnecting power



HBLB7NFD26A

Features

- Compact size enclosures provide application flexibility with cost savings over industry standard sizes.
- Fewer cover bolts reduces installation and maintenance time.
- Gasketed flange with O-ring located inside bolt circle to seal out moisture.
- Rotary handle style operating mechanism with lockout provision as standard.
- Removable ductile mounting lugs adjust to irregular mounting surfaces.
- Bodies have top and bottom drilled and tapped conduit entrances for power connection.
- UL98 certified switch.

Applications

- Grain manufacturing and storage
- Industrial chemical and gas manufacturing
- Petroleum refining
- Fertilizer manufacturing
- Vehicle repair/paint shops
- Coal mining
- Cotton and fabric mills

Standard Materials/Finish

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- O-Ring Gasket: Silicone
- Finish: Grey Powder Polyester painted exterior, electrostatically applied
- Ratings: 600V AC, 230V DC 30–100 Amp

HBLB7NFD13A

HBLB7NFD26A

HBLVSQ3034

HBLVP3485

30, 60 and 100 Amp Unfused Hazardous Location Disconnect Switches

Description	Catalog Number
30A 3 Pole disconnect switch.	**HBLB7NFD13A**
30A 3 Pole disconnect switch with auxuliary contact.	**HBLB7NFD13AA**
60A 3 Pole disconnect switch.	**HBLB7NFD26A**
60A 3 Pole disconnect switch with auxuliary contact.	**HBLB7NFD26AA**
100A 3 Pole disconnect switch.	**HBLB7NFD21A**
100A 3 Pole disconnect switch with auxuliary contact.	**HBLB7NFD21AA**

Unfused Mechanical Interlocks and Plugs

Amp	Poles/Wires	Voltage AC	Receptacle	Plug
30	3 Pole, 2 Wire	600V AC	**HBLVSQ3023**	**HBLVP3385**
	4 Pole, 3 Wire	600V AC	**HBLVSQ3034**	**HBLVP3485**
60	3 Pole, 2 Wire	600V AC	**HBLVSQ6023**	**HBLVP6385**
	4 Pole, 3 Wire	600V AC	**HBLVSQ6034**	**HBLVP6485**

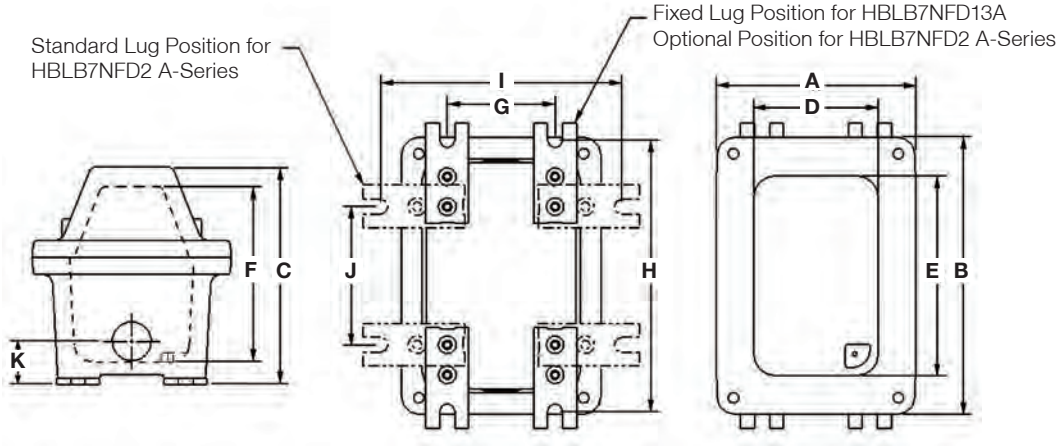
Note: HBLVSQ 30 amp models come standard with 1" drilled and tapped conduit openings top and bottom plus two 1" x ¾" reducers and one ¾" close-up plug for maximum flexibility. 60 amp models come with one 1½" opening on top and bottom and one 1½" close-up plug.

Horsepower Ratings

Switch Amps/Phase	Single Phase HP		Three Phase HP				DC HP	Terminal Wire Size	Conduit Sizes	Catalog Number
	120V AC	230V AC	208V AC	230V AC	480V AC	600V AC	230V DC			
30A / 3P	2	5	10	10	20	30	1	#14-10	1 NPT	**HBLB7NFD13A**
60A / 3P	3	7.5	20	20	40	40	10	#14-4	1½ NPT	**HBLB7NFD26A**
100A / 3P	5	15	25	30	50	50	20	#8-1	1½ NPT	**HBLB7NFD21A**

Dimensions

	Outside Box			Inside Box			Mounting Dimensions				
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**
30 Amp	5¾	8 1/16	6 5/16	3⅝	5 13/16	5 1/16	3⅛	8⅛	–	–	1¼
60 & 100 Amp	8⅛	13 1/16	7 13/16	4¼	9 3/16	6 5/16	2½	11⅜	6⅜	7½	1 13/16



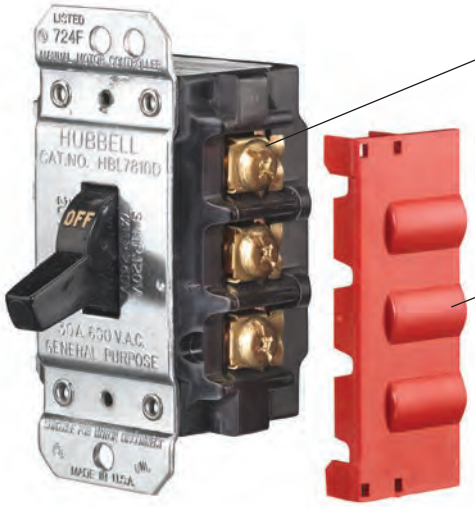
Dimensions in Inches (mm)

AC Manual Toggle Controllers/Disconnects

30, 40, 50, 60 and 85A 600V AC

Circuit-Lock® controllers rated "Suitable as Motor Disconnect"

The most complete offering of controllers with top horsepower and high amperage ratings in such a compact device.



#10 Brass Terminal Screw
Clamping plate for secure back or side wiring (30A only)

Optional Side Guard
For close wall applications and finger safe environments

30A, 40A and 50A

Front and Back Wiring
Steel Screws and Copper Terminals

Recessed Wiring Wells
Finger safe environments

60A and 85A

Shared Features

Strong on/off action with quick-make, slow break operation
- Provides long-life reliability
- 10,000 Amp High Fault Short Circuit Withstand Rating

Thermoset Body
- Provides high resistance to electrical arc tracking
- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength

Optional Side Finger Guards
For close wall applications and finger safe environments. For 30A, 40A and 50A controllers.

Four Large Silver Alloy Contacts per Pole
- Excellent conductivity
- Maximum longevity

100% Copper Contact Arm
- High heat management
- Reliability

Lubrication-Free Controller
- Continued on/off cycling even in harsh, dust and high heat environments

600V AC Manual Motor Controllers/Disconnects

For use in almost any industrial environment. Ideal component switch for motor control and as a disconnect. Toggle controllers can be built into equipment and enclosures for either box or panel-mount installation.

				HP Rating				
Amp	Poles	ToggleType	Wire	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Standard	Back/Side	2	5	10	15	**HBL7832D**
	2	Short	Back/Side	2	5	10	15	**HBL7832DS**
	2	Standard	Back/Side	2	5	10	15	**HBL7832DX**
	3	Standard	Back/Side	3	7.5	15	20	**HBL7810D**
	3	Short	Back/Side	3	7.5	15	20	**HBL7810DS**
40	2	Standard	Side	2	5	10	15	**HBL7842D**
	3	Standard	Side	3	7.5	15	20	**HBL7843D**
50	2	Standard	Side	2	5	10	15	**HBL7852D**
	3	Standard	Side	3	7.5	15	25	**HBL7853D**
60	2	Standard	Back	—	10	15	20	**HBL7862D**
	3	Standard	Back	—	10	25	30	**HBL7863D**
	2	Standard	Front	—	10	15	20	**HBL7862FWD**
	3	Standard	Front	—	10	25	30	**HBL7863FWD**
85	2	Standard	Back	—	10	15	20	**HBL7882D**
	3	Standard	Back	—	10	25	40	**HBL7883D**
Optional Side Guard, for close wall applications and finger safe environments.								**HBLFG30***

*Note: *For 30A, 40A and 50A controllers.*

HBL7810D

HBL7853D

HBL7863D

HBLFG30

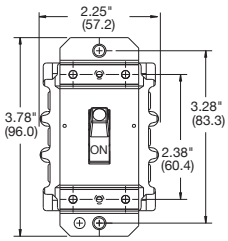
Specifications

Electrical Performance		
Dielectric Voltage	Min. 2,200V AC minimum for 1 minute	
Electrical Life	Min. 6,000 Cycles at rated switch load	
Max. Working Voltage	600V AC RMS	
	Switches	10,000 RMS
Short Circuit	30A & 40A	60A max. when protected by J fuses
Withstand Rating	50A	50A max. when protected by J fuses
as Motor Disconnect	60A & 85A	80A max. when protected by J fuses
Short Circuit Withstand Rating as Motor Controller	All Switches	125A max. RK5 fuses
Mechanical		
Mechanical Life	Min. 10,000 minimum cycles	
	Switch Rating	AWG Max.
Terminal	30A	#10
Accommodations	40A & 50A	#8**
	60A & 85A	#4
Wire Type	Solid and stranded copper wire only.	
Terminal Torque	30A – 50A	20 inch pounds
Switch Rating	60A – 85A	25 inch pounds
Environmental		
Flammability	UL94HB/VO	
Operating Temp.	Max. 75°C	
	Min. -40°C continuous without impact	
Listings		
	Industrial Control File	
UL 508	#E70402	
CSA-C22.2 No.14	LR-46186	

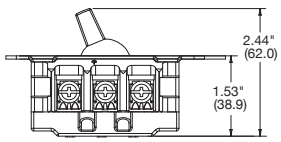
*Note: **Use listed certified ring terminal.*

Dimensions

30, 40 and 50 Amp Standard Toggles

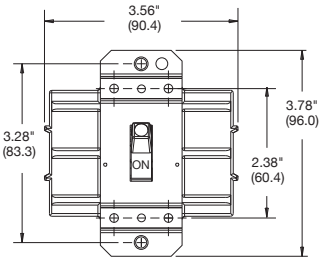


Front

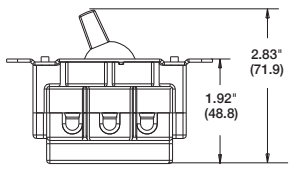


Side

60 and 85 Amp Standard Toggles



Front



Side

Dimensions in Inches (mm)

NEMA 1 Disconnect Switches

"Suitable as Motor Disconnects"

Thermoplastic Cover on a Plated Steel Base
Durable, non-conductive cover

HBL1389D

All Aluminum Cover and Base
Base is pre-drilled for rear surface mounting

HBL1379D

Shared Features

Wiring conduit knockouts

- ½" and ¾" NPT
- Top, bottom or back wire entry points

Surface mount control

Switch can be locked in the off position as a method of compliance with OSHA lockout/tagout

HBL1389D

HBL1379D

Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyer systems, industrial fans, etc.

			HP Rating				
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	2	5	10	15	**HBL1392D**
30	3	Thermoplastic	3	7.5	15	20	**HBL1389D**
30	2	Aluminum	2	5	10	15	**HBL1372D**
30	3	Aluminum	3	7.5	15	20	**HBL1379D**

Note: See page F-17 for technical information.

HBL1390

HBL1370

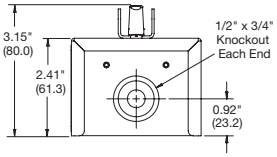
Circuit-Lock® NEMA 1 Enclosures without Switch

For use with switches shown on page F-17.

Description	Cover Material	Base Material	No. Equipment Grounds	Catalog Number
For use with 30A switch.	Thermoplastic	Steel	1	**HBL1390**
For use with 30A switch.	Aluminum	Aluminum	2	**HBL1370**

Dimensions

HBL1370, HBL1372D and HBL1379D



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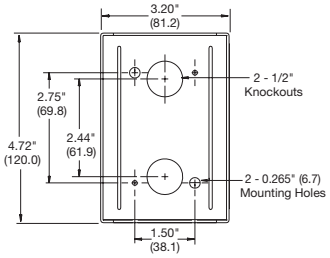
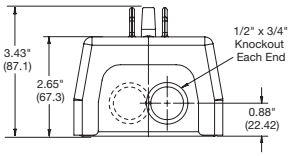


Back

Dimensions in Inches (mm)

HBL1390, HBL1389D and HBL1392D



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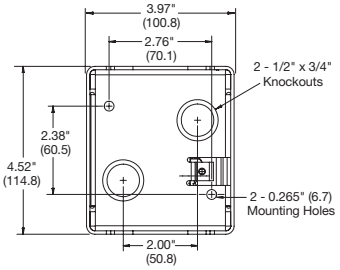


Back

Circuit-Lock® NEMA 3/3R Enclosures with Switch

Ideal for use on outdoor equipment.

Amp	Poles	Enclosure Material	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	2	5	10	15	**HBL13R22D**
30	3	Thermoplastic	3	7.5	15	20	**HBL13R23D**
30	2	Aluminum	2	5	10	15	**HBL13R12D†**
30	3	Aluminum	3	7.5	15	20	**HBL13R13D†**

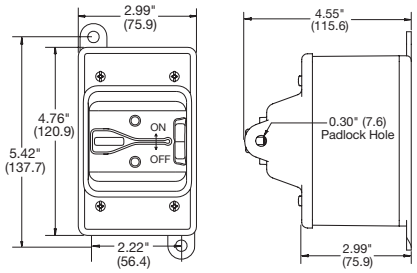
Note: See page F-17 for technical information.
**Drill weephole to alter from NEMA 3 to NEMA 3R.*
†Equipped with HBLFG30 sidewall insulation barriers.

HBL13R23D

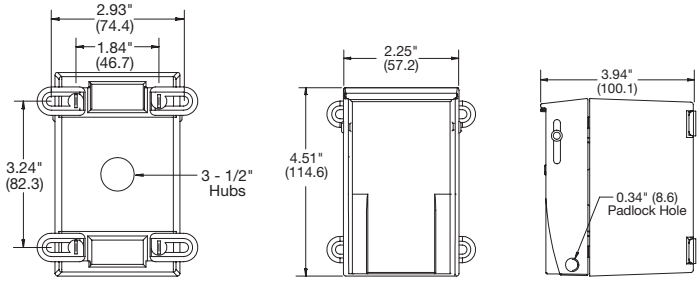
HBL13R13D

Dimensions

HBL13R22D and HBL13R23D



HBL13R12D and HBL13R13D



Circuit-Lock® NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

Amp	Poles	Enclosure Material	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Aluminum	2	5	10	15	**HBL13R92D**
30	3	Aluminum	3	7.5	15	20	**HBL13R89D**
60	2	Aluminum	—	10	15	20	**HBL16R92D**
60	3	Aluminum	—	10	25	30	**HBL16R93D**

Note: For switch specifications refer to page F-17.

HBL13R89D **HBL16R93D**

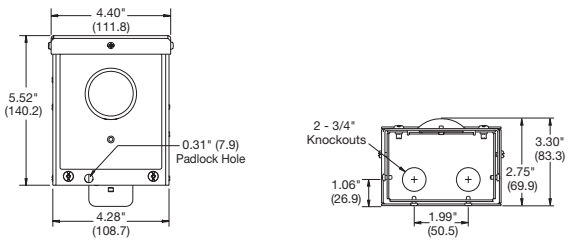
Circuit-Lock® NEMA 3R Enclosures without Switch

For use with switches shown on page F-17.

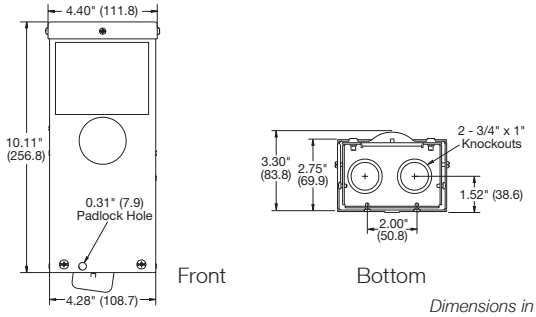
Description	Enclosure Material	Catalog Number
For use with 30A switch.	Aluminum	**HBL13R90**
For use with 60A switch.	Aluminum	**HBL16R90**

Dimensions

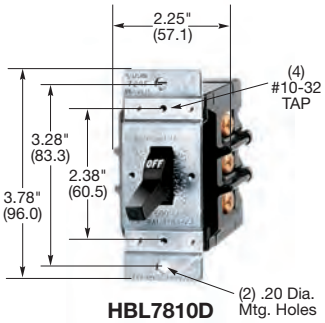
HBL13R90, HBL13R89D and HBL13R92D



HBL16R90, HBL16R92D and HBL16R93D

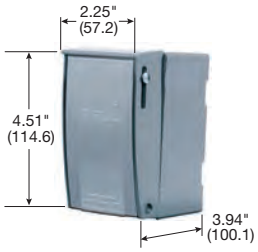


Dimensions in Inches (mm)

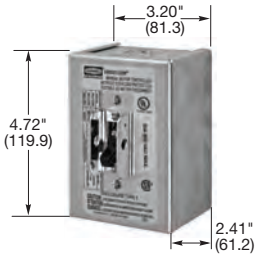


HBL7810D

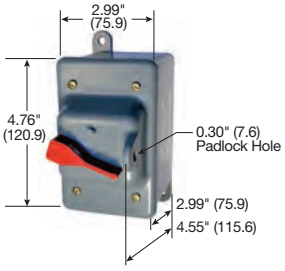
HBL1389D



HBL13R13D



HBL1379D



HBL13R23D

Dimensions in Inches (mm)

30A 600V AC Manual Motor Controllers, Double Pole

Description	Catalog Number
30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7832D**
30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7832DS**
30A, double pole, single throw, AC manual motor controller. 50 piece bulk pack.	**HBL7832DX**
HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1392D**
HBL7832D in HBL1370 metal Type 1 enclosure.	**HBL1372D**
HBL7832D in NEMA 3R non-metallic enclosure.	**HBL13R22D**
HBL7832D in HBL13R90 metal Type 3R enclosure.	**HBL13R92D**
HBL7832D in NEMA 3R flip-lid enclosure.	**HBL13R12D**

Note: See page F-17 for technical information.

30A 600V AC Manual Motor Controllers, Three Pole

Description	Catalog Number
30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7810D**
30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7810DS**
HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1389D**
HBL7810D in HBL1370 metal Type 1 enclosure.	**HBL1379D**
HBL7810D in NEMA 3R non-metallic enclosure.	**HBL13R23D**
HBL7810D in HBL13R90 metal Type 3R enclosure.	**HBL13R89D**
HBL7810D in NEMA 3R flip-lid enclosure.	**HBL13R13D**
30A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL13S33D**
30A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL13X33D**

Note: See page F-17 for technical information.

Motor Rating

Product	120V AC	240V AC	480V AC	600V AC	Phase
30A Double Pole	2HP	5HP	10HP	15HP	1
30A Three Pole	3HP	7½HP	15HP	20HP	3
40A Double Pole	2HP	5HP	10HP	15HP	1
40A Three Pole	3HP	7½HP	15HP	20HP	3
50A Double Pole	2HP	5HP	10HP	15HP	1
50A Three Pole	3HP	7½HP	15HP	25HP	3
60A Double Pole	-	10HP	15HP	20HP	1
60A Three Pole	-	10HP	25HP	30HP	3
85A Double Pole	-	10HP	15HP	20HP	1
85A Three Pole	-	10HP	25HP	40HP	3

HBL13R89D

HBL13S33D

40, 50, 60 and 85 Ampere, 600 Volts AC Manual Motor Controllers

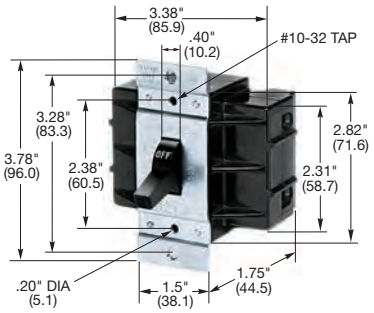
"Suitable as Motor Disconnect"

IP44*
SUITABILITY

40A 600V AC Manual Motor Controllers

Description	Catalog Number
40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7842D**
40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7843D**

Note: See page F-17 for technical information.



HBL7862D

50A 600V AC Manual Motor Controllers

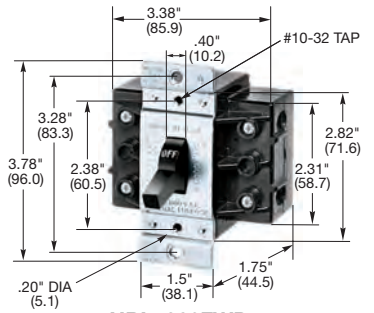
Description	Catalog Number
50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7852D**
50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7853D**

Note: See page F-17 for technical information.

60A 600V AC Manual Motor Controllers

Description	Catalog Number
60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7862D**
Same as HBL7862D except front wired.	**HBL7862FWD**
HBL7862FWD in Type 3R enclosure.	**HBL16R92D**
60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7863D**
Same as HBL7863D except front wired.	**HBL7863FWD**
HBL7863FWD in a Type 3R enclosure.	**HBL16R93D**
60A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL16S63D**
60A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL16X63D**

Note: See page F-17 for technical information.



HBL7862FWD

85A 600V AC Manual Motor Controllers

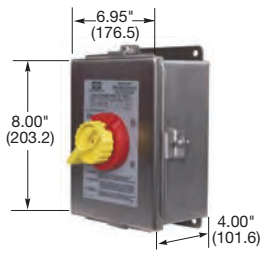
Description	Catalog Number
85A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7882D**
85A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7883D**

Note: See page F-17 for technical information.

HBL16R93D

Motor Controller Accessories

Description	Catalog Number
Finger Guards, fit 30A, 40A and 50A controllers.	**HBLFG30**
Auxiliary Contacts, NO/Common/NC, for use in rotary switches only.	**HBLAUX**



HBL16S63D

Dimensions in Inches (mm)

NEMA 4X Disconnect Switches

"Suitable as Motor Disconnects"

Shared Features

Un-drilled case allows custom placement of wire entry

Switch can be locked in the off position as a method of compliance with OSHA lockout/tagout

Hinged Cover with Removable Continuous Pin

304 Stainless Steel Enclosure
Chemical and corrosion resistant

Valox® Handle and Collar
Chemical and impact resistant

HBL13S33D

Thermoplastic 4X Non-Metallic Enclosures

Poured in Closed Cell Neoprene Gasket

Interlocking Shaft and Handle
Prevents cover removal when switch is on

Up to 2 Optional Auxiliary Contacts
For PLCs and external indicators

HBL13X33D

HBL16S63D

HBL13X33D

Circuit-Lock® NEMA 4X Enclosures with Switch and Accessories

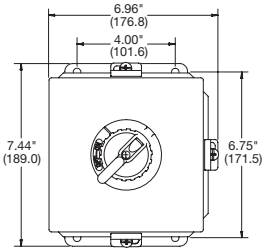
Ideal for use in environments where wash-down is necessary, i.e. food processing, laboratories, etc.

			HP Rating				
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Stainless Steel	3	7.5	15	20	**HBL13S33D**
30	3	Valox	3	7.5	15	20	**HBL13X33D**
60	3	Stainless Steel	—	10	25	30	**HBL16S63D**
60	3	Valox	—	10	25	30	**HBL16X63D**
Finger Guard option for 30A switch.							**HBLFG30**
NO/Comon/NC auxiliary contact, 10A 120/250V AC for 30 and 60 Amp switches.							**HBLAUX**

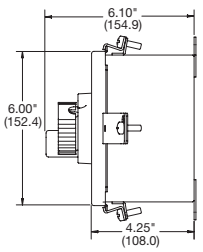
Note: See page F-17 for technical information.

Dimensions

HBL13S33D

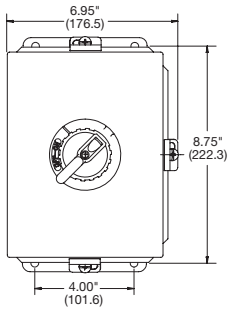


Front

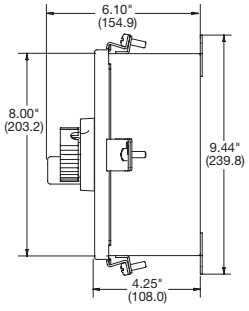


Side

HBL16S63D



Front



Side

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

IP55
SUITABILITY

CPB Series Compact Pendant Stations, Two Button, NEMA 4X

Description	Catalog Number
Single-speed normally open-normally closed without mechanical interlock.	**CPB20**
Single-speed with mechanical interlock between pushbuttons.	**CPB21**
Two-speed with mechanical interlock between pushbuttons.	**CPB22**

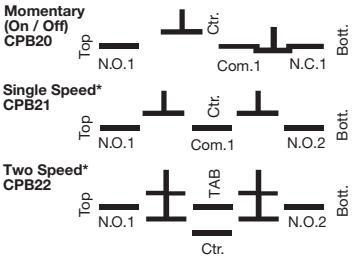
Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).
Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9)
Ambient temperatures: 25°F to 140°F (32°C to 60°C).
Typical applications: Package electric motor hoists. Remote control of machinery.

Contact Ratings, CPB Series

Single-Speed	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A
Two-Speed	**Voltage**	**Current**
AC	120V	3A
35% PF	240V	1.5A

CPB21

Wiring Diagram CPB2 Series



**Mechanical "floating ball" interlock prevents activating both Pushbuttons simultaneously.*

IP44
SUITABILITY

PBS Series Heavy Duty Pendant Pushbutton Stations, NEMA 3R

Description	Catalog Number
2 button, single speed. 2 button, two speed.	**PBS2** **PBS22**
4 button, single speed. 4 button, two speed.	**PBS4** **PBS42**
6 button, single speed. 6 button, two speed.	**PBS6** **PBS62**
8 button, single speed. 8 button, two speed.	**PBS8** **PBS82**

PBS6

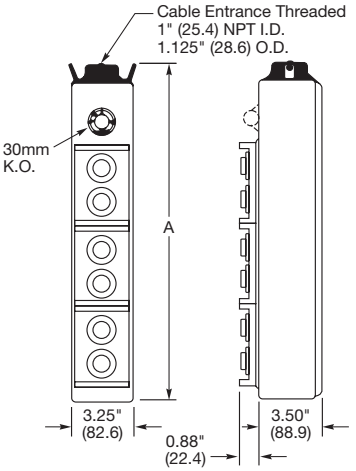
Product Dimensions, PBS Series

Style	A	Approx. Wt. Assembled	Catalog Number
2 button	7.88" (200.0)	2.5 lbs	**PBS2**
4 button	13.69" (347.6)	4.5 lbs	**PBS4**
6 button	18.0" (457.2)	5.5 lbs	**PBS6**
8 button	22.31" (566.7)	7.5 lbs	**PBS8**

Note: Housing: Yellow vinyl rubber.

Contact Interrupting Ratings, PBS Series

Two-Speed Single Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	.4A
IND	250V	.2A
Single-Speed Double Break	**Voltage**	**Current**
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A



Dimensions in Inches (mm)

PG2

PG6

MS2

MS5

Replacement Inserts

When the insert switches are in need of replacement, simply unplug the old insert and plug in a new one.

Description	Catalog Number
Single speed insert momentary N.O. and N.C.	**PG2**
On-Off insert (no mechanical interlock). Momentary, start-stop, reset-stop.	**PG6**
2 or 3 speed insert, momentary. Used to a maximum of 3 speed points.	**MS2**
5 speed insert, momentary. Used to a maximum of 5 speed points. For five speed applications replace an existing terminal board with the TB5 terminal board and replace an existing insert with the five speed (MS5) insert.	**MS5**

TB2

TB5

Conversion Inserts

In addition to single speed and two speed applications, pre-assembled units can be adapted to handle other applications.

Description	Catalog Number
Terminal board, required for each insert switch PG2, PG6 and MS2.	**TB2**
Terminal board, required for insert switch MS5.	**TB5**

PBSLP

PBSBC

Accessories

Description	Catalog Number
Indicator labels for replacement package contains 1 each: hoist, trolley, bridge, forward-reverse, raise-lower, in-out, right left, east-west, north-south, reset-stop, start-stop, power, main hoist, auxuliary hoist, on-off, up-down.	**PBSLP**
Rubber button cover for replacement purposes.	**PBSBC**
120V red pilot light for 4, 6, and 8 button units only.	**PBSPL1***

*Note: *Each pendant station can accommodate one of the pilot light in the 1.20 in. (30.6) diameter mounting hole.*

PBSPL1

Kellems® Deluxe Aluminum Cord Fitting

Outdoor or indoors where subject to moisture, splash or submersion. Kellems grips provide strain relief for multi-conductor cable.

Description	Cord Range	Catalog Number
Kellems grip.	.750"-.875" (19-22.2)	**07401023**
Kellems grip.	.875"-1.00" (22.2-25.4)	**07401025**

07401023

Pin and Sleeve Devices/Mechanical Interlocks

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HBL® Watertight IEC Pin and Sleeve

Insulgrip® NEMA 4X UL 1686 C1 Pin and Sleeve

Circuit-Lock® Unfused and Fused Mechanical Interlocks

Back Boxes & Accessories

IEC Watertight Devices
Provide safe and dependable performance in the most demanding environments. Heavy duty non-conductive nylon construction provides impact and corrosion protection. Thermoset polyester contact carriers withstand high temperatures and provide resistance to electrical tracking.

Insulgrip® NEMA 4X UL 1686 C1 Devices
Metallic where you want it and non-metallic where you need it. This tough product line is NEMA 4X rated for use in the harshest environments. The devices are fully interchangeable with other manufacturers of UL1686 C1 devices.

Back Boxes and Accessories
A complete line of metallic and non-metallic back boxes, angle adapters, closure caps and liquidtight adapters are available. These accessories help complement the line and aid in the installation of the product.

Hubbell Produces the Highest Quality and Most Extensive Pin and Sleeve Offering.

Similar to our Twist-Lock® devices, Hubbell's Pin and Sleeve line of plugs, connectors, inlets, receptacles, mechanical interlocks and accessories are the highest performing products available. The HBL® series of IEC pin and sleeve and Insulgrip lines are assembled in the USA and have a full list of innovative features.

The IEC line of plugs and connectors are made with a rugged super tough, one-piece housing. The thermoset polyester contact carrier provides a high resistance to electrical tracking. They withstand higher temperatures which may result from overload or arcing. The heavy-duty, external cord grip provides superior strain relief on the conductors.

The Insulgrip line of pin and sleeve is listed UL Type 4X which provides a watertight, dust-tight seal for harsh environments. The non-metallic bodies of the plugs and connectors provide excellent insulating, impact and UV resistant properties. The patented beryllium copper spring-pin design of the contacts maintains high unit pressure on mating sleeves. This ensures reliable electrical contact while minimizing heat rise. There are two styles of Insulgrip pin and sleeve devices. Style I devices achieve grounding by attaching the metallic shell to a ground terminal within the device. Style II devices feature redundant grounding by including an additional ground pin and sleeve to the grounding method used in Style I. The full Insulgrip line of devices is interchangeable with other manufacturers of UL1686 C1 devices which makes it ideal for use in industrial applications where multiple manufactures of product may be present.

Both the IEC and Insulgrip lines of pin and sleeve are used often in conjunction with mechanical interlocks. Mechanical interlocks prevent users from mating or breaking the circuit under load. This feature is critical to maintain a safe electrical connection. The interlocks are also available in reverse service applications where a generator is providing power to an electrical system.

Circuit-Lock® Mechanical Interlocks
Hubbell's Circuit-Lock enclosure products virtually eliminate making or breaking the circuit under load. This revolutionary design incorporates a disconnect switch and receptacle in one compact non-metallic unit. They are available in either a fused or non-fused versions.

Low Profile Devices
90° Angled plugs and recessed receptacles allow for connections in tight spaces. Cords can be controlled easily along the wall. The integrated cord grips limit strain on terminals and prevent strain on plugs and cables exiting perpendicular from the wall.

Corrosion Resistant Devices
This superior grade of IEC and Insulgrip devices are ideal for the most demanding environments. Nickel-plated brass on the IEC and nickel-plated Tellurium copper on the Insulgrip contacts prevent corrosion and heat rise.

Reverse Service
Generators and portable power distribution units require devices to deliver power in a reverse direction to power up a piece of equipment or building. Hubbell manufactures reverse service devices in both the IEC and Insulgrip Pin and Sleeve configurations as well as IEC Mechanical Interlock Inlets.

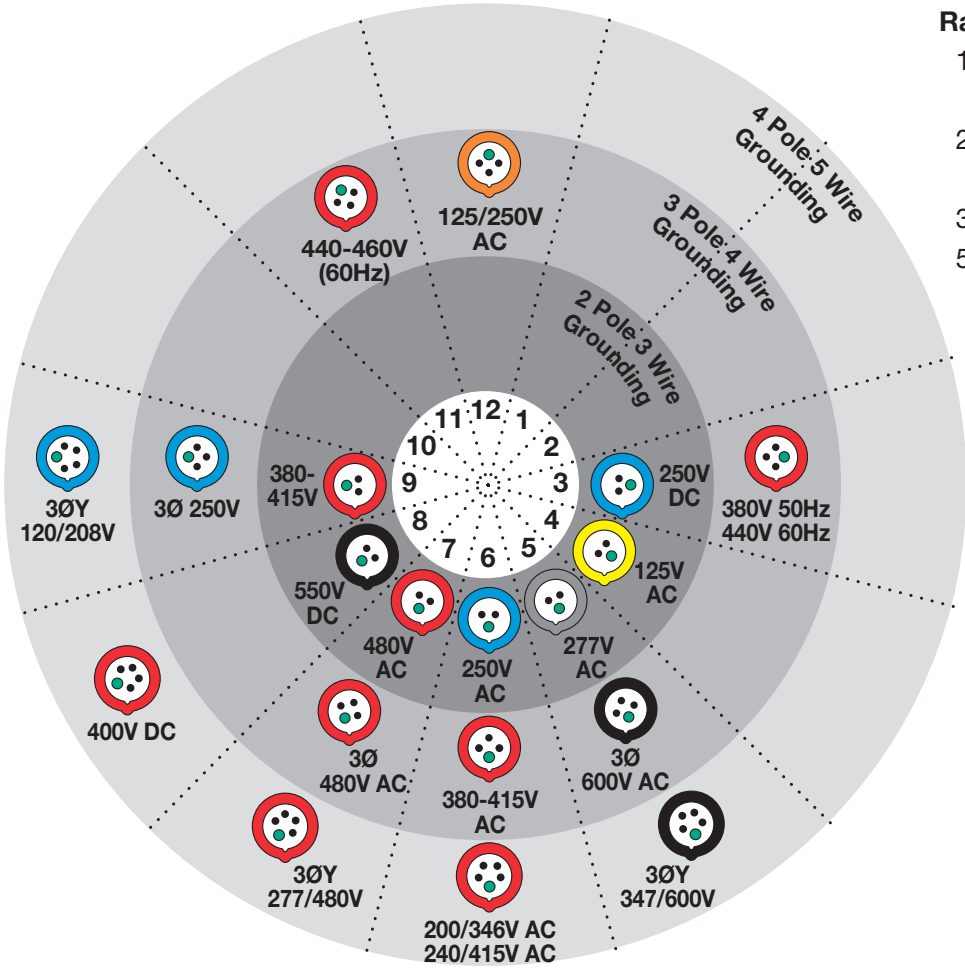
IEC Configurations Chart

Singly Rated Configurations

Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.



Rated Voltage	Color
100V - 130V	
125V/250V	
200V - 250V	
277V	
380V - 480V	
500V - 690V	

Typical IEC Pin and Sleeve Catalog Number

HBL4100C12W

HBL	4	100	C	12	W
Hubbell Catalog Number	4 Wire	100 Amp	"C" Connector	Female Ground Sleeve at "12" O'Clock (125/250V)	Watertight

Explanation

1 (HBL) Designates Hubbell Catalog Number

2 First Digit
3-3 wire
4-4 wire
5-5 wire

3 Next Series Of Digits
Preceding a letter
20-20 Amp
30-30 Amp
60-60 Amp
100-100 Amp

4 Letter
P-Plug
R-Receptacle
C-Connector
B-Inlet
MI-Mechanical Interlock
MIF-Mechanical Interlock Fused

5 Last Digit(s)
After the letter. This denotes the position of the ground sleeve and the assigned voltage in the receptacle as it relates to the hours of the clock. This is done to eliminate interchangeability between devices with different voltages.

6 Letter: W
Watertight

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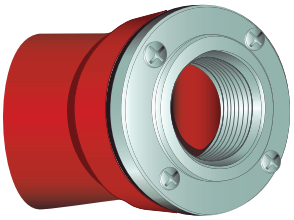
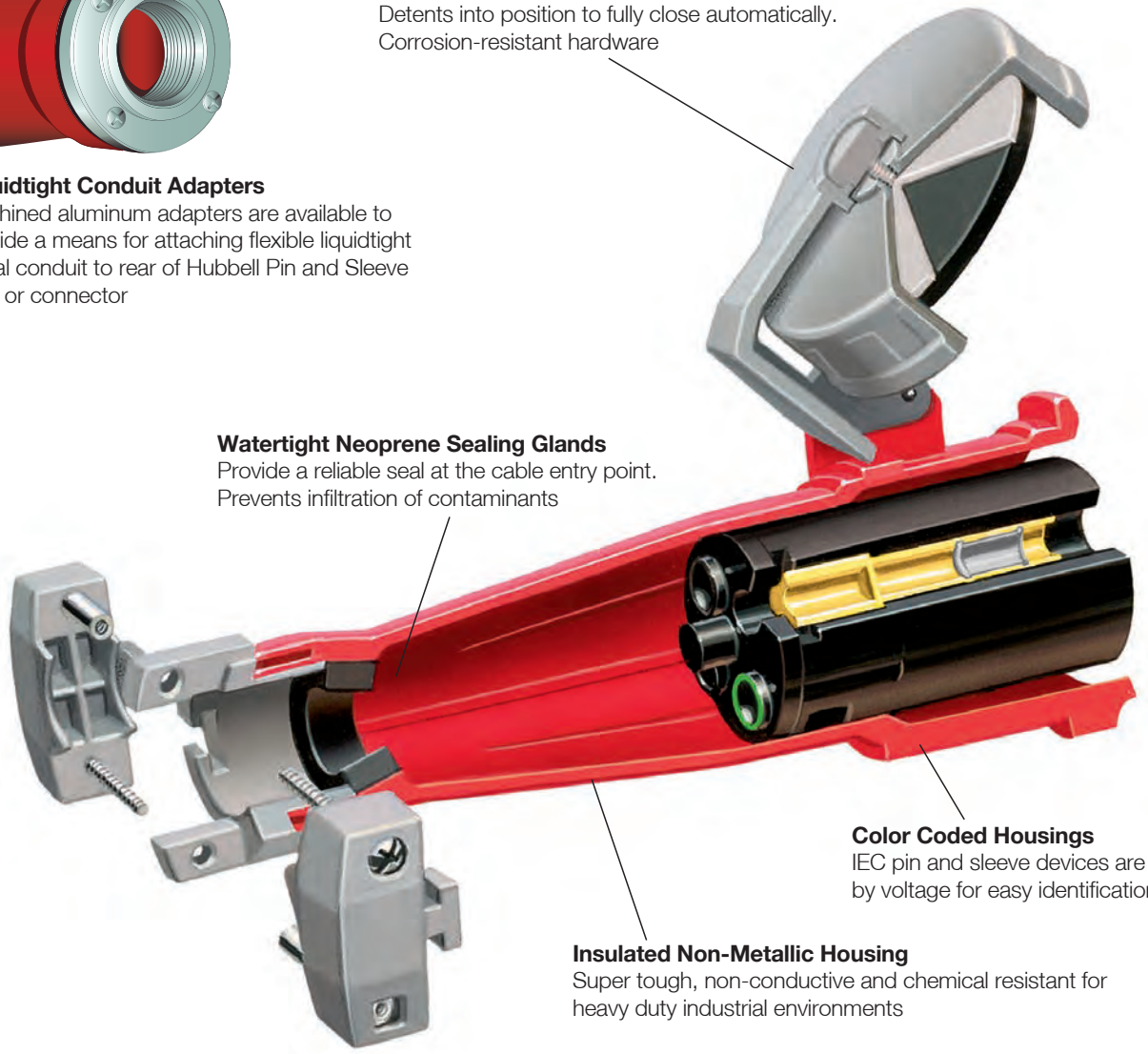
SUITABILITY



Liquidtight Conduit Adapters
Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector

Self-Closing Gasketed Cover
Detents into position to fully close automatically. Corrosion-resistant hardware

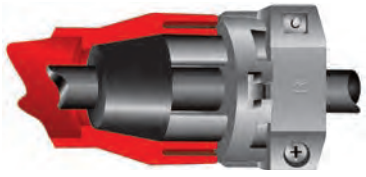
Watertight Neoprene Sealing Glands
Provide a reliable seal at the cable entry point. Prevents infiltration of contaminants



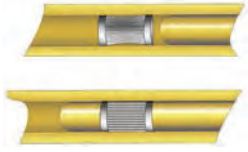
Color Coded Housings
IEC pin and sleeve devices are color coded by voltage for easy identification

Insulated Non-Metallic Housing
Super tough, non-conductive and chemical resistant for heavy duty industrial environments

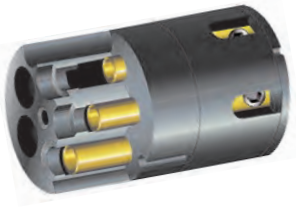
Powerful Mechanical Cord Grip
Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations. Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention.



Watertight Cord Entrance
The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord. Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance.



Multi-Contact Spring
(60/63 and 100/125 Amp)
Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise. Broaches oxide film to achieve low resistance contact for cooler operation.



Sequential Contact Engagement
Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral). Phase contacts make last and break first.

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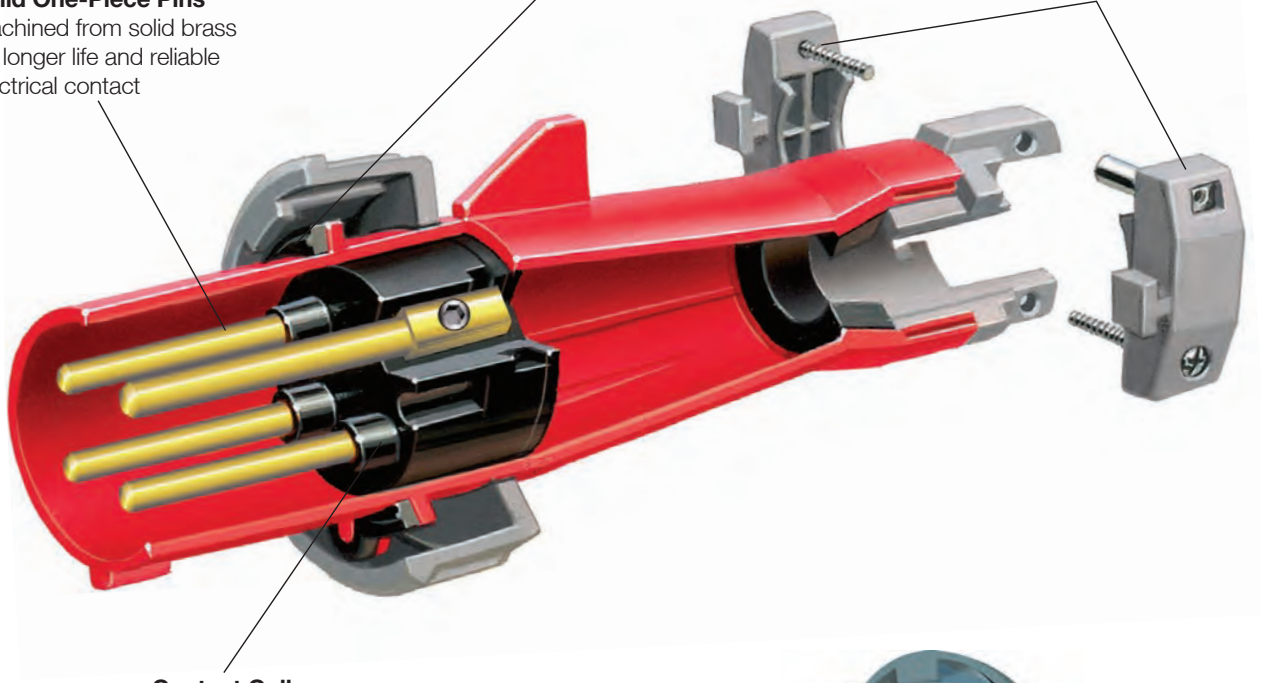
SUITABILITY

Gasketed Sealing Ring
Provides watertight seal when mated with receptacle or connector

Heavy Duty External Cord Grips
Provide maximum cord retention to maintain secure terminations

Solid One-Piece Pins
Machined from solid brass for longer life and reliable electrical contact



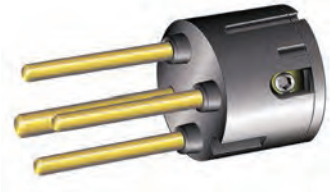
Contact Collar
Raised collar surrounds each phase pin increasing the tracking resistance between contacts across the contact carrier face

Lockout/Tagout
Tapered opening on plug shroud accommodates up to ⅜ inch (9.7mm) lock shackle diameter

Rugged One-Piece Housing
Thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants. Amperage/ voltage rating and catalog number molded in housing for easy identification.

Shrouded Pins
Super tough plug shroud protects pins from deforming from physical abuse. Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts.

Swivel Pressure Pads
16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands. 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations. The large box terminals are designed for North American conductors.



Thermoset Polyester Contact Carrier
Molded thermoset polyester provides high resistance to electrical tracking. Withstands higher temperatures which may result from overload or arcing. Thermoset properties provide dimensional stability for this critical assembly.

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SUITABILITY

Rating				Watertight Devices				Accessories			Replacement Interiors	
		Configuration										
Amps	Poles and Wires	Recep./ Conn.	Plug/ Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic	Closure Caps	Recep./ Conn.	Plug/ Inlet
16	2P 3W			100–130V	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W†	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	2P 3W			220–240V	HBL316R6W	HBL316P6W	HBL316C6W	HBL316B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	3P 4W			380–415V	HBL416R6W	HBL416P6W	HBL416C6W	HBL416B6W†	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	4P 5W			220/380V 240/415V	HBL516R6W	HBL516P6W	HBL516C6W	HBL516B6W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	2P 3W			125V	HBL320R4W	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
	2P 3W			250V	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	2P 3W			480V	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	3P 4W			125/250V	HBL420R12W	HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
	3P 4W			3Ø 250V	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W			3Ø 480V	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W			3Ø 600V	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	4P 5W			3ØY 120/208V	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W			3ØY 277/480V	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W			3ØY 347/600V	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
30	2P 3W			125V	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	IN330AM†
	2P 3W			250V	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	2P 3W			480V	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	3P 4W			125/250V	HBL430R12W	HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
	3P 4W			3Ø 250V	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			3Ø 480V	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			3Ø 600V	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	4P 5W			3ØY 120/208V	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W			3ØY 277/480V	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W			3ØY 347/600V	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W			100–130V	HBL332R4W†	HBL332P4W†	HBL332C4W†	HBL332B4W†	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	2P 3W			220–240V	HBL332R6W	HBL332P6W	HBL332C6W	HBL332B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	3P 4W			380–415V	HBL432R6W	HBL432P6W	HBL432C6W	HBL432B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	HBL432B3W†	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	4P 5W			220/380V 240/415V	HBL532R6W	HBL532P6W	HBL532C6W	HBL532B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM

Note: See page G-10 and G-11 for back boxes and accessories, G-12 and G-13 for product dimensions, G-14 and G-15 for product specifications and HP ratings. See page G-11 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.
†Consult factory.

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SUITABILITY

Rating					Watertight Devices				Accessories			Replacement Interiors	
		Configuration											
Amps	Poles and Wires	Recep./ Conn.	Plug/ Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic	Closure Caps	Recep./ Conn.	Plug/ Inlet
60	2P 3W			125V	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
	2P 3W			250V	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
	2P 3W			480V	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
	3P 4W			125/250V	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
	3P 4W			3Ø 250V	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	3P 4W			3Ø 480V	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	3P 4W			3Ø 600V	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	4P 5W			3ØY 120/208V	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
	4P 5W			3ØY 277/480V	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
	4P 5W			3ØY 347/600V	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
63	2P 3W			220–240V	HBL363R6W	HBL363P6W	HBL363C6W	HBL363B6W	BB60N	BB601W BB602W	PC60	IN360BFS	IN360BMS†
	3P 4W			380–415V	HBL463R6W	HBL463P6W	HBL463C6W	HBL463B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
	4P 5W			220/380V 240/415V	HBL563R6W	HBL563P6W	HBL563C6W	HBL563B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
100	2P 3W			125V	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
	2P 3W			250V	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
	2P 3W			480V	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
	3P 4W			125/250V	HBL4100R12W	HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF†	IN4100CM
	3P 4W			3Ø 250V	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	3P 4W			3Ø 480V	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	3P 4W			3Ø 600V	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	4P 5W			3ØY 120/208V	HBL5100R9W	HBL5100P9W*	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
	4P 5W			3ØY 277/480V	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
	4P 5W			3ØY 347/600V	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
125	2P 3W			220–240V	HBL3125R6W	HBL3125P6W	HBL3125C6W	HBL3125B6W	BB100N	BB1001W BB1002W	PC100	IN3100BFS†	IN3100BMS†
	3P 4W			380–415V	HBL4125R6W	HBL4125P6W	HBL4125C6W	HBL4125B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
	4P 5W			220/380V 240/415V	HBL5125R6W	HBL5125P6W	HBL5125C6W	HBL5125B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS

Note: See page G-10 and G-11 for back boxes and accessories, G-12 and G-13 for product dimensions, G-14 and G-15 for product specifications and HP ratings.
All 63A and all 125A devices have pilot pins or contacts.
See page G-11 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA.
**See page G-12 for additional information on short housing plug. IP22 suitability - length 8.30" (210.8).*
†Consult factory.

Devices that Withstand the Most Abusive Environments

IP67 SUITABILITY

Hubbell offers a superior grade of 100A IEC Pin and Sleeve designed for use in the most demanding environments. These devices feature nickel plated solid brass pins for long life and reliable electrical contact in the most corrosive environments. They have a high visibility yellow supertough nylon housing. The heavy duty external cord clamps provide maximum cord retention to maintain secure terminations. The screws and fasteners are made from stainless steel.

- Food Processing
- Factory

- Water Treatment
- Washdown
- Temporary Power

- Meat Packing
- Construction

- Agriculture
- Outdoor Entertainment

Standard Service

Rating					Watertight Devices			Accessories		
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Back Boxes Non-Metallic	Back Boxes Metallic	Closure Caps
100	3P 4W			125/250V	M4100R12	M4100P12	M4100C12	BB100N	BB1001W BB1002W	PC100
	4P 5W			3ØY 120/208V	M5100R9	M5100P9	M5100C9	BB100N	BB1001W BB1002W	PC100
	4P 5W			3ØY 277/480V	M5100R7	M5100P7	M5100C7	BB100N	BB1001W BB1002W	PC100

"Reverse Service"

Rating					Watertight Devices			Accessories		
Amps	Poles And Wires	Configuration Conn.	Inlet	AC Voltage	Inlet	Plug	Connector	Back Boxes Non-Metallic	Back Boxes Metallic	Closure Caps
100	3P 4W			125/250V	M4100B12R	—	M4100C12R	BB100N	BB1001W BB1002W	PC100
	4P 5W			3ØY 120/208V	M5100B9R	—	M5100C9R	BB100N	BB1001W BB1002W	PC100
	4P 5W			3ØY 277/480V	M5100B7R	—	M5100C7R	BB100N	BB1001W BB1002W	PC100

Note: See page Z-17 for corrosion resistant cord sets.

DC Rated Pin and Sleeve Devices

IP67 SUITABILITY

In today's environmentally conscious world, energy savings is a pinnacle part of going green. DC (Direct Current) is being used to reduce power consumption and decrease the amount of infrastructure needed to energize specific types of data center equipment. Electrical devices provide a means of connecting DC power.

Hubbell is the first manufacturer to introduce a series of IEC Pin and Sleeve devices configured for the UL1686 eight o'clock ground position for DC voltage (Disconnecting use only). Hubbell's IEC DC rated pin and sleeve line has been qualified by UL to the requirements of DC voltage. The thermoset polyester contact carrier provide high resistance to electrical tracking, it withstands higher temperatures for this type of demanding application. The solid one-piece pins are machined from solid brass for longer life and reliable electrical contact. In addition, the heavy-duty external cord grips provide maximum cord retention to maintain secure terminations. Finally, the super tough, color coded, non-conductive V-0 rated Valox® housing is heavy duty for safety and protecting the internal components.

Rating					Watertight Devices		
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	DC Voltage	Receptacle	Plug	Connector
30	2P 3W			550V	HBL330R8WDC	HBL330P8V0DC	HBL330C8V0DC
60	2P 3W			550V	HBL360R8WDC*	HBL360P8V0DC	HBL360C8V0DC
100	2P 3W			550V	HBL3100R8WDC	HBL3100P8V0DC	HBL3100C8V0DC
	4P 5W			400V	HBL5100R8WDC	HBL5100P8V0DC	HBL5100C8V0DC

*Note: *Inlet available - HBL360B8WDC.*

Dual Certified Pin and Sleeve Devices

IP67 SUITABILITY

Hubbell's dual certified pin and sleeve devices are ideal for the data center and high tech server industry. They are UL Listed to UL1682 for the North American market and are TUV Rheinland Certified for the European and International market. Customers can use the same plug and connector for multiple electrical configurations. They reduce the number of SKU's end users have to use if they sell to both domestic and overseas customers. These devices are IP67 rated, RoHs compliant and showcase all the inherent safety benefits of their V-0 rated Valox® housing and internal components.

Rating					Watertight Devices			
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Inlet
30/32	3P 4W			380-415V	HBL430R6V02	HBL430P6V02	HBL430C6V02	HBL430B6V02
	4P 5W			200/346V 240/415V	HBL530R6V02	HBL530P6V02	HBL530C6V02	HBL530B6V02
60/63	3P 4W			380-415V	HBL460R6V02	HBL460P6V02	HBL460C6V02	HBL460B6V02
	4P 5W			200/346V 240/415V	HBL560R6V02	HBL560P6V02	HBL560C6V02	HBL560B6V02

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

BB60N

BB601W

FW6010055

FT202W

FW60100

HBL2030AP

AA2030PS

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15º Angle Back Box

Description	NPT Hub Size*	Catalog Number
Back box for 16, 20, 30 and 32A devices.	1"	**BB2030N**
Back box for 60 and 63A devices.	1¼"	**BB60N**
Back box for 100 and 125A devices.	1½"	**BB100N**

*Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1¼ in. = 1705, 1½ in. = 1706. These boxes meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.*

Metallic 15º Angle Back Box**

Description	NPT Hub Size	Catalog Number
Back box for 16, 20, 30 and 32A devices.	¾"	**BB201W**
	1"	**BB301W**
Back box for 60 and 63A devices.	1¼"	**BB601W**
	1½"	**BB602W**
Back box for 100 and 125A devices.	1½"	**BB1001W**
	2"	**BB1002W**

*Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.*

Metallic 55º Angle Back Box and Adapter**

Description	NPT Hub Size	Catalog Number
Feed-thru box back box and adapter for 16, 20, 30 and 32A devices.	1"	**AB203055**
Angle adapter only.		**AA203055**
Back box and adapter for 60, 63, 100 and 125A devices.	1½"	**FW6010055**
Angle adapter only.		**AA6010055**

*Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.*

Metallic Feed-Thru Back Box**

Description	NPT Hub Size	Catalog Number
Feed-thru box for 16, 20, 30 and 32A devices.	¾"	**FT202W**
	1"	**FT302W**

*Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.*

Metallic Four-Way 15º Angle Back Box**

Description	NPT Hub Size	Catalog Number
Four-way box for 60, 63, 100 and 125A devices.	1½"	**FW60100**

*Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.*

Straight Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to 2-gang, device boxes and FD boxes.	**HBL2030AP**

Angle Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to standard wall boxes.	**AA2030PS**

Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 4 11/16 inch square for non-watertight applications.

Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

Description	Catalog Number
Fits all 16 and 20A, 3 wire plugs and inlets.	**PC320**
Fits all 16 and 20A, 4 wire plugs and inlets.	**PC420**
Fits all 16 and 20A, 5 wire plugs and inlets.	**PC520**
Fits all 30 and 32A, 3 and 4 wire plugs and inlets.	**PC3430**
Fits all 30 and 32A, 5 wire plugs and inlets.	**PC530**
Fits all 60 and 63A plugs and inlets.	**PC60**
Fits all 100 and 125A plugs and inlets.	**PC100**

PC3430

Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Kit contains cover, arm assembly and installation tool.

Description	Catalog Number
Fits all 16 and 20A, 3 wire watertight female devices.	**CA320**
Fits all 16 and 20A, 4 wire watertight female devices.	**CA420**
Fits all 16 and 20A, 5 wire watertight female devices.	**CA520**
Fits all 30 and 32A, 3 and 4 wire watertight female devices.	**CA3430**
Fits all 30 and 32A, 5 wire watertight female devices.	**CA530**
Fits all 60 and 63A watertight female devices.	**CA60**
Fits all 100 and 125A watertight female devices.	**CA100**

CA3430

Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

Description	Cord Clamp and Locking Ring	Locking Ring Only
Fits all 16 and 20A, 3 wire plugs, connectors and inlets.	**CC320**	**LR320***
Fits all 16 and 20A, 4 wire plugs, connectors and inlets.	**CC420**	**LR420***
Fits all 16 and 20A, 5 wire plugs, connectors and inlets.	**CC520†**	**LR520***
Fits all 30 and 32A, 3 and 4 wire plugs, connectors and inlets.	**CC3430**	**LR3430***
Fits all 30 and 32A, 5 wire plugs, connectors and inlets.	**CC530†**	**LR530***
Fits all 60 and 63A plugs, connectors and inlets.	**CC60**	**LR60***
Fits all 100 and 125A plugs, connectors and inlets.	**CC100**	**LR100***

*Note: *Locking Ring only for plugs and inlets.*
†Consult factory.

CC3430

LR3430

Liquidtight Adapters

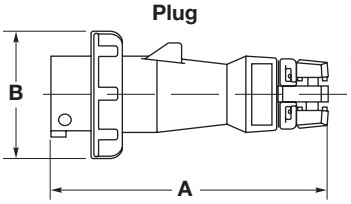
Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems® liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of NPT sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter	Optional Kellems Liquidtight Conduit Grip
16 and 20 Amp 3 and 4 Wire	½" NPT	**SAA12**	**074093402**
	¾" NPT	**SAA34**	**074093403**
16 and 20 Amp 5 wire and 30 and 32 Amp 3 and 4 wire	½" NPT	**SAB12**	**074093402**
	¾" NPT	**SAB34**	**074093403**
	1" NPT	**SAB100**	**074093404**
30 and 32 Amp 5 wire	¾" NPT	**SAC34**	**074093403**
30 and 32 Amp 5 wire and 60 and 63 Amp (all)	1" NPT	**SAC100**	**074093404**
	1¼" NPT	**SAC125**	**074093405**
100 and 125 Amp (all)	1¼" NPT	**SAD125**	**074093405**
	1½" NPT	**SAD150**	**074093406**

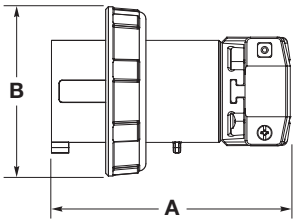
SAB34

074093403

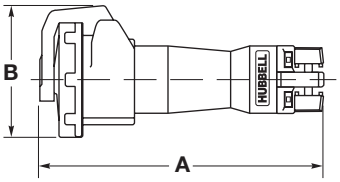
Plug



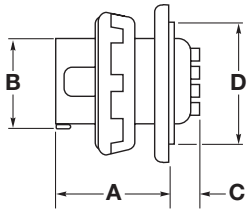
Short Housing Plug

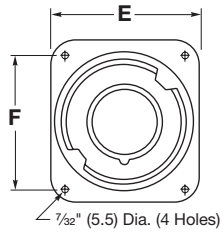


Connector Body

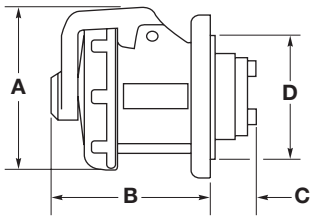


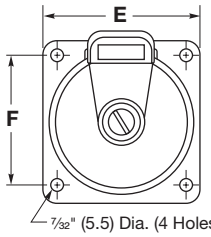
Inlet





Receptacle





Dimensions in Inches (mm)

Plug Dimensions

Type	A	B	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"-.830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.330"-.830" (8.4-21.1)
HBL520P	7.65" (194.3)	3.50" (89.0)	.330"-.830" (8.4-21.1)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Short Housing Plug Dimensions

Type	A	B	Cord Grip Range
HBL5100P9WSH	8.30" (210.82)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

Type	A	B	Cord Grip Range
HBL320C	7.49" (190.3)	3.33" (84.6)	.330"-.830" (8.4-21.1)
HBL420C	7.90" (200.6)	3.66" (93.0)	.330"-.830" (8.4-21.1)
HBL520C	8.54" (216.9)	3.94" (100.0)	.330"-.830" (8.4-21.1)
HBL330C	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL430C	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL530C	9.68" (245.8)	4.70" (119.5)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	11.15" (283.2)	5.10" (129.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C	13.57" (344.7)	5.71" (145)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Type	A	B	C	D	E	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

Receptacle Dimensions

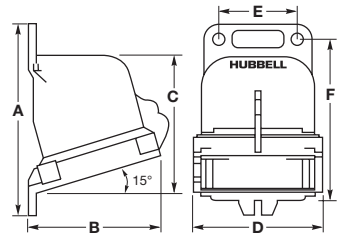
Type	A	B	C	D	E	F
HBL320R	3.33" (84.5)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420R	3.66" (93.0)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520R	3.94" (100.0)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330R	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430R	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530R	4.70" (119.4)	3.09" (78.5)	1.16" (29.5)	2.83" (71.9)	3.75" (95.3)	3.13" (79.5)
HBL360R, HBL460R, HBL560R	5.10" (129.5)	4.07" (103.4)	1.69" (43.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.6)
HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R	5.71" (145)	4.23" (107.4)	2.46" (62.5)	3.95" (100.3)	5.50" (139.7)	4.88" (123.9)

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

Non-Metallic 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**
Back box for 60 & 63A devices.	1¼"	7.76" (197.0)	5.16" (131.0)	5.87" (149.0)	4.72" (120.0)	2.99" (76.0)	6.94" (176.0)	70.00"	**BB60N**
Back box for 100 & 125A devices.	1½"	8.21" (209.0)	6.23" (158.0)	6.31" (160.3)	5.71" (145.0)	3.99" (101.0)	7.41" (188.0)	120.00"	**BB100N**

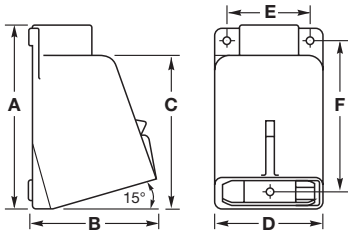
*Note: *Hub is not included; order one of the following Raco® part numbers: 1 inch = 1704, 1¼ inch = 1705, 1½ inch = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.*



Non-Metallic Angle Box

Metallic 15º Angle Back Box

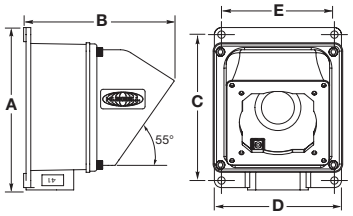
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	¾"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
Back box for 16, 20, 30 & 32A devices.	1"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**
Back box for 60 & 63A devices.	1¼"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	**BB601W**
Back box for 60 & 63A devices.	1½"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	**BB602W**
Back box for 100 &125A devices.	1½"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	**BB1001W**
Back box for 100 & 125A devices.	2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	**BB1002W**



Metallic 15º Angle Box

Metallic 55º Angle Back Box and Adapter

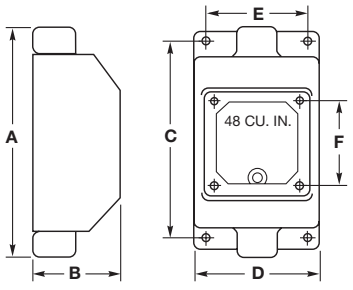
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box and angle adapter for 16, 20, 30 & 32A devices.	1"	6.80" (172.4)	6.60" (167.0)	5.63" (142.9)	4.50" (114.3)	3.74" (95.0)	–	42.27"	**AB203055**
Angle adapter for 16, 20, 30 & 32A devices.	–	4.89" (124.3)	3.33" (84.6)	4.29" (109.0)	3.75" (95.2)	2.50" (63.5)	–	25.00"	**AA203055**
Back box and angle adapter for 60, 63, 100 & 125A devices.	1½"	8.50" (215.9)	8.00" (202.9)	7.75" (196.8)	6.90" (174.8)	6.00" (152.4)	–	100.00"	**FW6010055**
Angle adapter for 60, 63, 100 & 125A devices.	–	6.75" (171.4)	4.48" (113.7)	6.00" (152.4)	6.75" (171.4)	6.00" (152.4)	–	79.00"	**AA6010055**



Metallic 55º Angle Box

Metallic Feed-Thru Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box for 16, 20, 30 & 32A devices.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
Feed-thru box for 16, 20, 30 & 32A devices.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

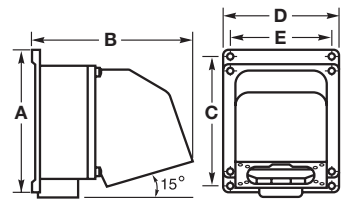


Metallic Feed-Thru Box

Metallic Four-Way 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Four-way box for 60, 63, 100 & 125A devices.	1½"	8.75" (222.3)	9.75" (247.7)	7.75" (196.9)	6.75" (171.5)	6.00" (152.4)	–	210.00"	**FW60100**

Note: These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.



Metallic Four-Way Angle Box

Dimensions in Inches (mm)

Watertight Materials

Part	Material
Inlet	
Housing	Zytel® 101 Nylon*
Locking Ring	Reinforced Thermoplastic Polyester
Mounting Flange	Zytel® 101 Nylon
Mounting Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws (2)	Stainless Steel (300 Series)
Gaskets	Solid Neoprene
Connector Body	
Housing	Zytel® ST801 Nylon
Cord Clamps	Reinforced Thermoplastic Polyester
Glands	Solid Neoprene
Cover Arms	Reinforced Thermoplastic Polyester
Arm Springs	Stainless Steel (17-7 type)
Covers	Reinforced Thermoplastic Polyester
Cover Screw	Nickel-plated brass
Rotating Sealing Disc	Polycarbonate
Gaskets	Solid Neoprene
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Plug	
Housing	Zytel® ST801 Nylon
Locking Ring	Reinforced Thermoplastic Polyester
Sealing Gasket	Solid Neoprene
Cord Clamp	Reinforced Thermoplastic Polyester
Gland Cap	Reinforced Thermoplastic Polyester
Gland	Solid Neoprene
Cord Clamp Screws	Stainless Steel (300 Series)
Clamp Nut	Nickel-Plated Brass
Gland Clamp Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Receptacle	
Housing	Zytel® 101 Nylon
Mounting Flange	Zytel® 101 Nylon
Arm Spring	Stainless Steel (17-7 type)
Cover Arm	Reinforced Thermoplastic Polyester
Cover	Reinforced Thermoplastic Polyester
Cover Screw	Nickel-plated brass
Rotating Sealing Disc	Polycarbonate
Gaskets	Solid Neoprene
Mounting Screws	Stainless Steel (300 Series)
Terminal Screws	Stainless Steel (300 Series)
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

Specifications

Typical Specification	
Manufacturer's Identification	Hubbell HBL520P9W
Description	Plug, Power Supply
Type	3 Pole + Neutral + Earth
Rating	20A, 120/208V AC, 3 Phase WYE
Configuration	UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight
Certification	UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2

*Note: *All devices on page G-9 have Valox® housings.*

® Zytel is registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Specifications and Horsepower Ratings

Performance

Electrical	
Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current (Except DC rated devices).
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.
Mechanical	
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification	Identification and ratings are a permanent part of the device housing.
Environmental	
Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	IP67 Suitability.
Flammability	HB or better per UL 94 or CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum - 40°C without impact.
Materials	
Housings	Nylon.
All Other Materials	Resistant to corrosion and chemical attack.

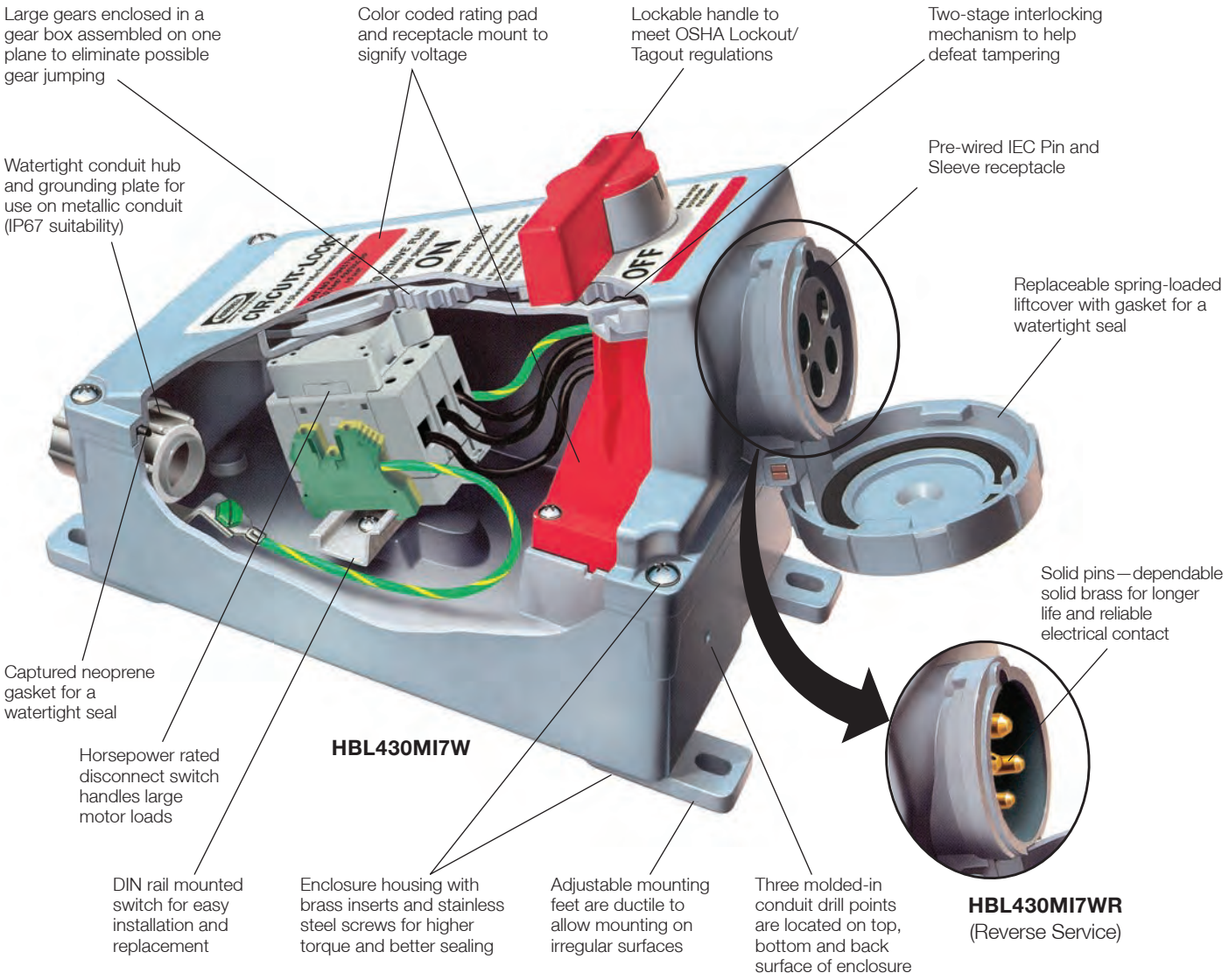
Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for IEC Pin and Sleeve

AC Voltage Rating	Horsepower	Catalog Number			
3Ø 250	2	**HBL420R9W**	**HBL420P9W**	**HBL420C9W**	**HBL420B9W**
3Ø 480	5	**HBL420R7W**	**HBL420P7W**	**HBL420C7W**	**HBL420B7W**
3Ø 600	7.5	**HBL420R5W**	**HBL420P5W**	**HBL420C5W**	**HBL420B5W**
3ØY 120/208	.5	**HBL520R9W**	**HBL520P9W**	**HBL520C9W**	**HBL520B9W**
3ØY 277/480	5	**HBL520R7W**	**HBL520P7W**	**HBL520C7W**	**HBL520B7W**
3ØY 347/600	7.5	**HBL520R5W**	**HBL520P5W**	**HBL520C5W**	**HBL520B5W**
3Ø 250	3	**HBL430R9W**	**HBL430P9W**	**HBL430C9W**	**HBL430B9W**
3Ø 480	7.5	**HBL430R7W**	**HBL430P7W**	**HBL430C7W**	**HBL430B7W**
3Ø 600	10	**HBL430R5W**	**HBL430P5W**	**HBL430C5W**	**HBL430B5W**
3ØY 120/208	2	**HBL530R9W**	**HBL530P9W**	**HBL530C9W**	**HBL530B9W**
3ØY 277/480	7.5	**HBL530R7W**	**HBL530P7W**	**HBL530C7W**	**HBL530B7W**
3ØY 347/600	10	**HBL530R5W**	**HBL530P5W**	**HBL530C5W**	**HBL530B5W**
3Ø 250	5	**HBL460R9W**	**HBL460P9W**	**HBL460C9W**	**HBL460B9W**
3Ø 480	10	**HBL460R7W**	**HBL460P7W**	**HBL460C7W**	**HBL460B7W**
3Ø 600	15	**HBL460R5W**	**HBL460P5W**	**HBL460C5W**	**HBL460B5W**
3ØY 120/208	3	**HBL560R9W**	**HBL560P9W**	**HBL560C9W**	**HBL560B9W**
3ØY 277/480	10	**HBL560R7W**	**HBL560P7W**	**HBL560C7W**	**HBL560B7W**
3ØY 347/600	15	**HBL560R5W**	**HBL560P5W**	**HBL560C5W**	**HBL560B5W**
3Ø 250	10	**HBL4100R9W**	**HBL4100P9W**	**HBL4100C9W**	**HBL4100B9W**
3Ø 480	30	**HBL4100R7W**	**HBL4100P7W**	**HBL4100C7W**	**HBL4100B7W**
3Ø 600	30	**HBL4100R5W**	**HBL4100P5W**	**HBL4100C5W**	**HBL4100B5W**
3ØY 120/208	10	**HBL5100R9W**	**HBL5100P9W**	**HBL5100C9W**	**HBL5100B9W**
3ØY 277/480	30	**HBL5100R7W**	**HBL5100P7W**	**HBL5100C7W**	**HBL5100B7W**
3ØY 347/600	30	**HBL5100R5W**	**HBL5100P5W**	**HBL5100C5W**	**HBL5100B5W**

Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

Features and Benefits



Hubbell Circuit-Lock® Mechanical Interlocks

The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs.

These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Unfused Circuit-Lock® Devices

20, 30, 60 and 100 Ampere – North American Ratings, 32 Ampere – International Rating

IP67 SUITABILITY

Enclosure Type 4X, 12

Rating					Unfused Circuit-Lock® Devices		Reverse Service	
Amps	Poles and Wires	Configuration Recep.	Configuration Plug	AC Voltage	Mechanical Interlock	Mating Plug	Mechanical Interlock	Mating Plug
20	3P 4W			120/240V	HBL420MI12W	HBL420P12W	–	–
	3P 4W			3Ø 240V	HBL420MI9W	HBL420P9W	–	–
	3P 4W			3Ø 480V	HBL420MI7W	HBL420P7W	–	–
	3P 4W			3Ø 600V	HBL420MI5W	HBL420P5W	–	–
30	2P 3W			120V	HBL330MI4W	HBL330P4W	–	–
	2P 3W			240V	HBL330MI6W	HBL330P6W	–	–
	2P 3W			480V	HBL330MI7W	HBL330P7W	–	–
	3P 4W			120/240V	HBL430MI12W	HBL430P12W	–	–
	3P 4W			3Ø 240V	HBL430MI9W	HBL430P9W	HBL430MI9WR	HBL430P9WR
	3P 4W			3Ø 480V	HBL430MI7W	HBL430P7W	HBL430MI7WR	HBL430P7WR
	3P 4W			3Ø 600V	HBL430MI5W	HBL430P5W	HBL430MI5WR	HBL430P5WR
	4P 5W			3ØY 120/208V	HBL530MI9W	HBL530P9W	–	–
	4P 5W			3ØY 277/480V	HBL530MI7W	HBL530P7W	–	–
	4P 5W			3ØY 347/600V	HBL530MI5W	HBL530P5W	–	–
32	3P 4W			380V 50HZ-440V 60Hz	HBL432MI3W	HBL432P3W	–	–
60	2P 3W			120V	HBL360MI4W	HBL360P4W	–	–
	2P 3W			240V	HBL360MI6W	HBL360P6W	–	–
	2P 3W			480V	HBL360MI7W	HBL360P7W	–	–
	3P 4W			120/240V	HBL460MI12W	HBL460P12W	HBL460MI12WR	HBL460P12WR
	3P 4W			3Ø 240V	HBL460MI9W	HBL460P9W	HBL460MI9WR	HBL460P9WR
	3P 4W			3Ø 480V	HBL460MI7W	HBL460P7W	HBL460MI7WR	HBL460P7WR
	3P 4W			3Ø 600V	HBL460MI5W	HBL460P5W	HBL460MI5WR	HBL460P5WR
	4P 5W			3ØY 120/208V	HBL560MI9W	HBL560P9W	–	–
	4P 5W			3ØY 277/480V	HBL560MI7W	HBL560P7W	–	–
	4P 5W			3ØY 347/600V	HBL560MI5W	HBL560P5W	–	–
100	2P 3W			240V	HBL3100MI6W	HBL3100P6W	–	–
	3P 4W			120/240V	HBL4100MI12W	HBL4100P12W	HBL4100MI12WR	HBL4100P12WR
	3P 4W			3Ø 240V	HBL4100MI9W	HBL4100P9W	HBL4100MI9WR	HBL4100P9WR
	3P 4W			3Ø 480V	HBL4100MI7W	HBL4100P7W	HBL4100MI7WR	HBL4100P7WR
	3P 4W			3Ø 600V	HBL4100MI5W	HBL4100P5W	HBL4100MI5WR	HBL4100P5WR
	4P 5W			3ØY 120/208V	HBL5100MI9W	HBL5100P9W	–	–

Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1¼ inch hub supplied.

HBLAC1

HBLAC2

HBL30RGB HBL30RNB

MICPK30

CA3430MI

HBL30MIRS

HBLRFT2

Dimensions in Inches (mm)

Auxiliary Contacts for 20, 30, 32, 60 and 100A Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Ground Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RGB**
For 60 and 100A switches.	**HBL60100RGB**

Neutral Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**

Watertight Closure Plug Kits

Description	Catalog Number
For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Flip Covers

Description	Catalog Number
For 20A mechanical interlocks.	**CA420MI**
For 30 and 32A, 3 and 4 wire mechanical interlocks.	**CA3430MI**
For 30A, 5 wire mechanical interlocks.	**CA530MI**
For 60A mechanical interlocks.	**CA60MI**
For 100A mechanical interlocks.	**CA100MI**

Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	**HBLDS3RS**
For 30 and 32A mechanical interlocks.	**HBL30MIRS**
For 60 and 100A mechanical interlocks.	**HBLDS60100RS**

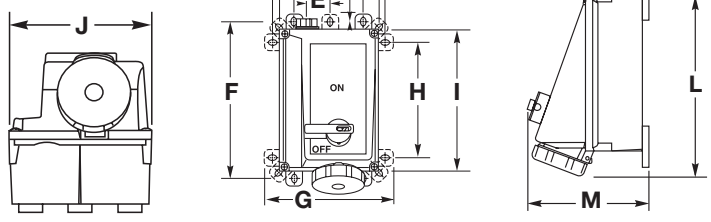
Replacement Mounting Feet

Description	Catalog Number
For 20, 30, 32, 60 and 100A mechanical interlocks.	**HBLRFT2***

Dimensions

KEY	20A and 30A Inches (mm)	60A Inches (mm)	100A Inches (mm)
A	7.75" (196.9)	7.75" (196.9)	7.75" (196.9)
B	6.87" (174.5)	6.87" (174.5)	6.87" (174.5)
C	4.75" (120.7)	4.75" (120.7)	4.75" (120.7)
D	1.02" (25.9)	1.02" (25.9)	1.02" (25.9)
E	1.60" (40.6)	1.46" (37.1)	1.46" (37.1)
F	11.00" (279.4)	12.75" (323.9)	12.75" (323.9)
G	8.75" (222.3)	8.75" (222.3)	8.75" (222.3)
H	8.00" (203.2)	9.75" (247.7)	9.75" (247.7)
I	10.12" (257.0)	11.87" (301.5)	11.87" (301.5)
J	6.88" (174.8)	6.88" (174.8)	6.88" (174.8)
K	1.93" (49.0)	2.09" (53.1)	2.09" (53.1)
L	11.25" (285.8)**	13.65" (346.7)	13.65" (346.7)
M	7.75" (196.9)	8.60" (218.4)	9.30" (236.2)
HUB SIZE	1.00" NPT	1.25" NPT	1.25" NPT

*Note: *Package of 10 feet and 10 screws.*
***30 and 32A, 3 and 4W = 11.50" (292.1); 30A, 5W = 11.59" (294.4).*



Typical Specifications

Manufacturer's Identification	Hubbell HBL430MI7W
Description	Circuit-Lock® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	30A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686 C2, Clock position 7
Enclosure Type	Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)
Ingress Protection	IP67 Suitability
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit
Certification	UL Listed, CSA Certified

Note: This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Materials

Part	Material	Part	Material
Base	Valox®	Top	Valox®
Handle	Valox®	Conduit Hub	Zinc
Enclosure Gasket	Neoprene	Shaft	Valox®
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.

Environmental	
Moisture Resistance	Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP67 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

Horsepower Ratings

Amps	AC Voltage Rating	Horsepower	Mechanical Interlock	Mating Plug
20	120/240V AC	2	**HBL420MI12W**	**HBL420P12W**
20	3Ø 240V AC	5	**HBL420MI9W**	**HBL420P9W**
20	3Ø 480V AC	5	**HBL420MI7W**	**HBL420P7W**
20	3Ø 600V AC	10	**HBL420MI5W**	**HBL420P5W**
30	120V AC	2	**HBL330MI4W**	**HBL330P4W**
30	240V AC	3 (208-240V AC)	**HBL330MI6W**	**HBL330P6W**
30	480V AC	7.5	**HBL330MI7W**	**HBL330P7W**
30	120/240V AC	3 (208-240V AC)	**HBL430MI12W**	**HBL430P12W**
30	3Ø 600V AC	20	**HBL430MI5W**	**HBL430P5W**
30	3Ø 480V AC	15	**HBL430MI7W**	**HBL430P7W**
30	3Ø 250V AC	7.5	**HBL430MI9W**	**HBL430P9W**
30	3ØY 347/600V AC	20	**HBL530MI5W**	**HBL530P5W**
30	3ØY 277/480V AC	15	**HBL530MI7W**	**HBL530P7W**
30	3ØY 120/208V AC	5	**HBL530MI9W**	**HBL530P9W**
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	**HBL432MI3W**	**HBL432P3W**
60	120V AC	3	**HBL360MI4W**	**HBL360P4W**
60	240V AC	7.5 (208-240V AC)	**HBL360MI6W**	**HBL360P6W**
60	480V AC	20	**HBL360MI7W**	**HBL360P7W**
60	120/240V AC	7.5 (208-240V AC)	**HBL460MI12W**	**HBL460P12W**
60	3Ø 600V AC	40	**HBL460MI5W**	**HBL460P5W**
60	3Ø 480V AC	30	**HBL460MI7W**	**HBL460P7W**
60	3Ø 250V AC	15	**HBL460MI9W**	**HBL460P9W**
60	3ØY 347/600V AC	40	**HBL560MI5W**	**HBL560P5W**
60	3ØY 277/480V AC	30	**HBL560MI7W**	**HBL560P7W**
60	3ØY 120/208V AC	15	**HBL560MI9W**	**HBL560P9W**
100	240V AC	15 (10 @ 208V AC)	**HBL3100MI6W**	**HBL3100P6W**
100	120/240V AC	15	**HBL4100MI12W**	**HBL4100P12W**
100	3Ø 600V AC	50	**HBL4100MI5W**	**HBL4100P5W**
100	3Ø 480V AC	50	**HBL4100MI7W**	**HBL4100P7W**
100	3Ø 250V AC	25 (208-240V AC)	**HBL4100MI9W**	**HBL4100P9W**
100	3ØY 120/208V AC	20	**HBL5100MI9W**	**HBL5100P9W**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

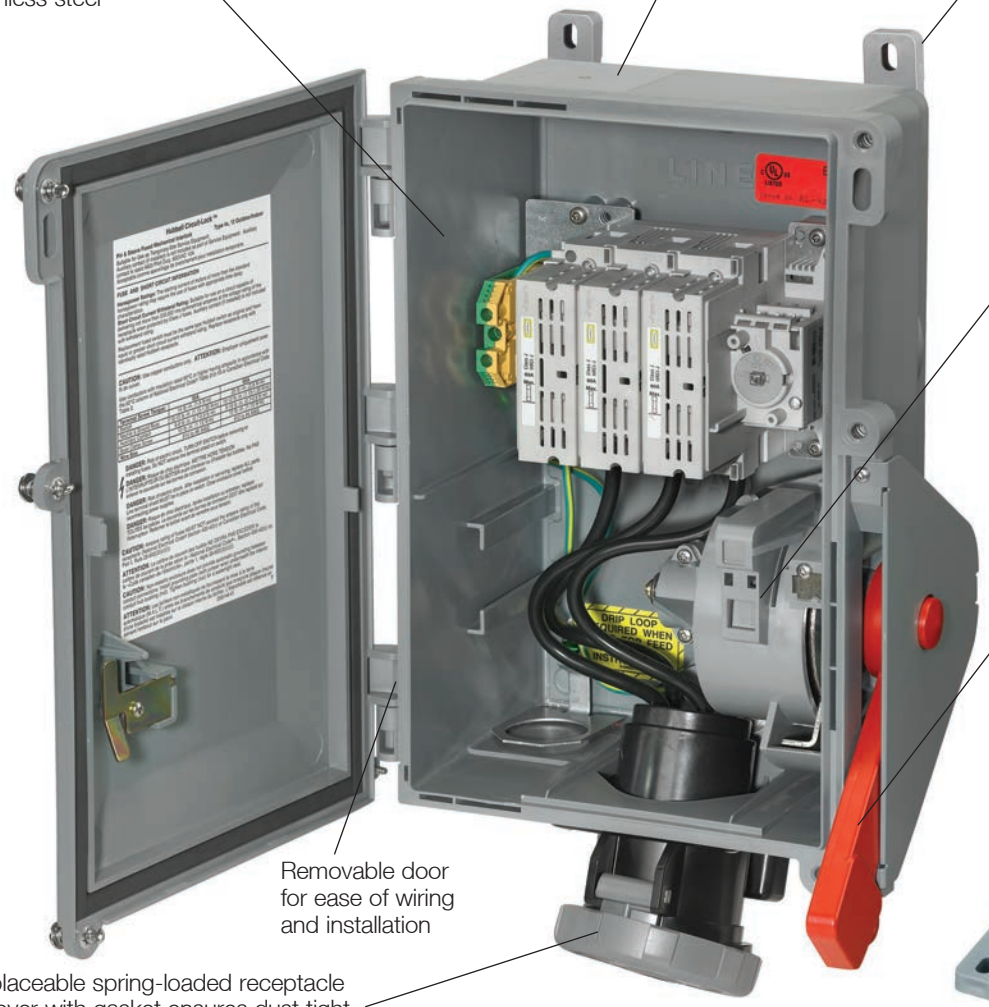
Fused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

Features and Benefits

Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic Valox® to resist abuse, corrosion and enhance safety. All external hardware is stainless steel

Three molded-in conduit drill points are located on the top, bottom, and back surface of enclosure. Conduit hub provided: 30A 1 inch NPT, 60A 1¼ inch NPT

Adjustable mounting feet (4) can be mounted in any 1 of 3 positions for ease of installation



The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF

High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5⁄16 inch padlock shackle

Removable door for ease of wiring and installation

Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked

HBL460MIF5W

Conduit hub and mounting feet are supplied with each IEC Mechanical Interlock

Compact Fused Disconnect Switch accepts Class “J” fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures. Thermoset properties provide excellent dimensional stability, low moisture absorption, and superior dielectric strength.

Stainless steel ¼ inch turn door fasteners for quick, easy access to fuses.

Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door can not be opened.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Enclosure Type 4X, 12

IP66
SUITABILITY

Rating					Fused Circuit-Lock® Devices	
Amps	Poles and Wires	Configuration Recep./ Conn.	Configuration Plug/ Inlet	AC Voltage	Mechanical Interlock	Mating Plug
30	3P 4W			120/240V	HBL430MIF12W	HBL430P12W
	3P 4W			3Ø 240V	HBL430MIF9W	HBL430P9W
	3P 4W			3Ø 480V	HBL430MIF7W	HBL430P7W
	3P 4W			3Ø 600V	HBL430MIF5W	HBL430P5W
	4P 5W			3ØY 277/480V	HBL530MIF7W	HBL530P7W
	4P 5W			3ØY 347/600V	HBL530MIF5W	HBL530P5W
60	3P 4W			120/240V	HBL460MIF12W	HBL460P12W
	3P 4W			3Ø 240V	HBL460MIF9W	HBL460P9W
	3P 4W			3Ø 480V	HBL460MIF7W	HBL460P7W
	3P 4W			3Ø 600V	HBL460MIF5W	HBL460P5W
	4P 5W			3ØY 120/208V	HBL560MIF9W	HBL560P9W

Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.

Gray Style Switch

HBLACFSNO **HBL30MIFRS**

Black Style Switch

ACFSNO **30MIFRS**

Replacement Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.

Replacement Switches

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
For 30A fused switches.	**30MIFRS**	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	—	**HBL60MIFRS**

*Note: If replacing a Black Style switch, you must use the **30MIFRS**. All other applications can use the Gray Style switch.*

MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

CA3430MI

Replacement Flip Covers

Description	Catalog Number
For 30A, 3 and 4 wire mechanical interlocks.	**CA3430MI**
For 30A, 5 wire mechanical interlocks.	**CA530MI**
For 60A mechanical interlocks.	**CA60MI**

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**[Δ]

Note: [Δ]Package of 10 feet and 10 screws.

HBLRFT2

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBL460MIF7W
Description	Fused Circuit-Lock Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686C2, Clock Position 7
Enclosure Type	Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust-tight, Falling dirt)
Certification	UL Listed for US and Canada

Materials

Part	Material
Base and Top	Valox®
Handle	Valox®
Conduit Hub	Zinc, 30A-1", 60A-1¼" NPT
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
Mounting Inserts	Brass
Hinge Pin	Nickel-Plated Brass
Hinge Spring	Stainless Steel

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle mount and color-coded.
Mounting	External adjustment feet.

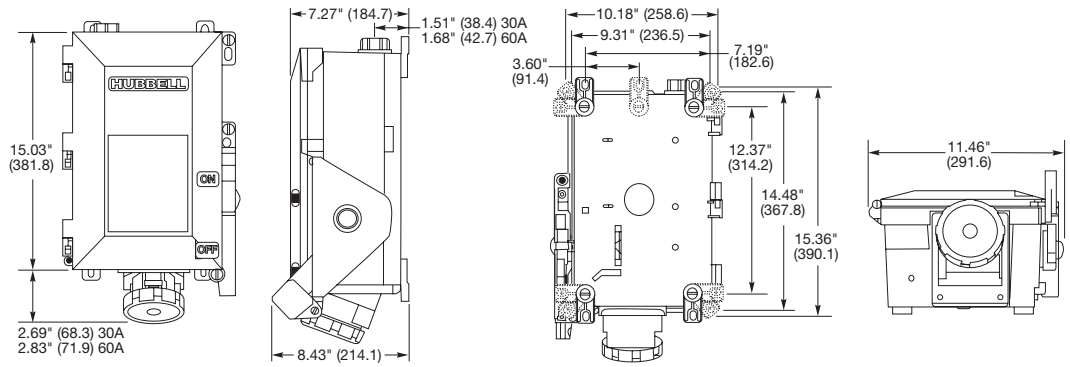
Environmental	
Moisture Resistance	Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

Amps	AC Voltage Rating	Standard	Maximum**	Mechanical Interlock	Use Pin and Sleeve Plug
30	3Ø 600V AC	7.5	20	**HBL430MIF5W**	**HBL430P5W**
30	3Ø 480V AC	5	15	**HBL430MIF7W**	**HBL430P7W**
30	3Ø 240V	3	7.5	**HBL430MIF9W**	**HBL430P9W**
30	120/240V AC	1.5*	3*	**HBL430MIF12W**	**HBL430P12W**
30	3ØY 277/480V	5	15	**HBL530MIF7W**	**HBL530P7W**
30	3ØY 347/600V	7.5	20	**HBL530MIF5W**	**HBL530P5W**
60	3Ø 600V AC	15	50	**HBL460MIF5W**	**HBL460P5W**
60	3Ø 480V AC	15	30	**HBL460MIF7W**	**HBL460P7W**
60	3Ø 240V AC	7.5	15	**HBL460MIF9W**	**HBL460P9W**
60	120/240V AC	3*	10*	**HBL460MIF12W**	**HBL460P12W**
60	3ØY 120/208V	7.5	15	**HBL560MIF9W**	**HBL560P9W**

*Note: *208-240V AC L-L.*
***Requires time delay fuses.*

Dimensions



Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Brass Box Terminal
Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity

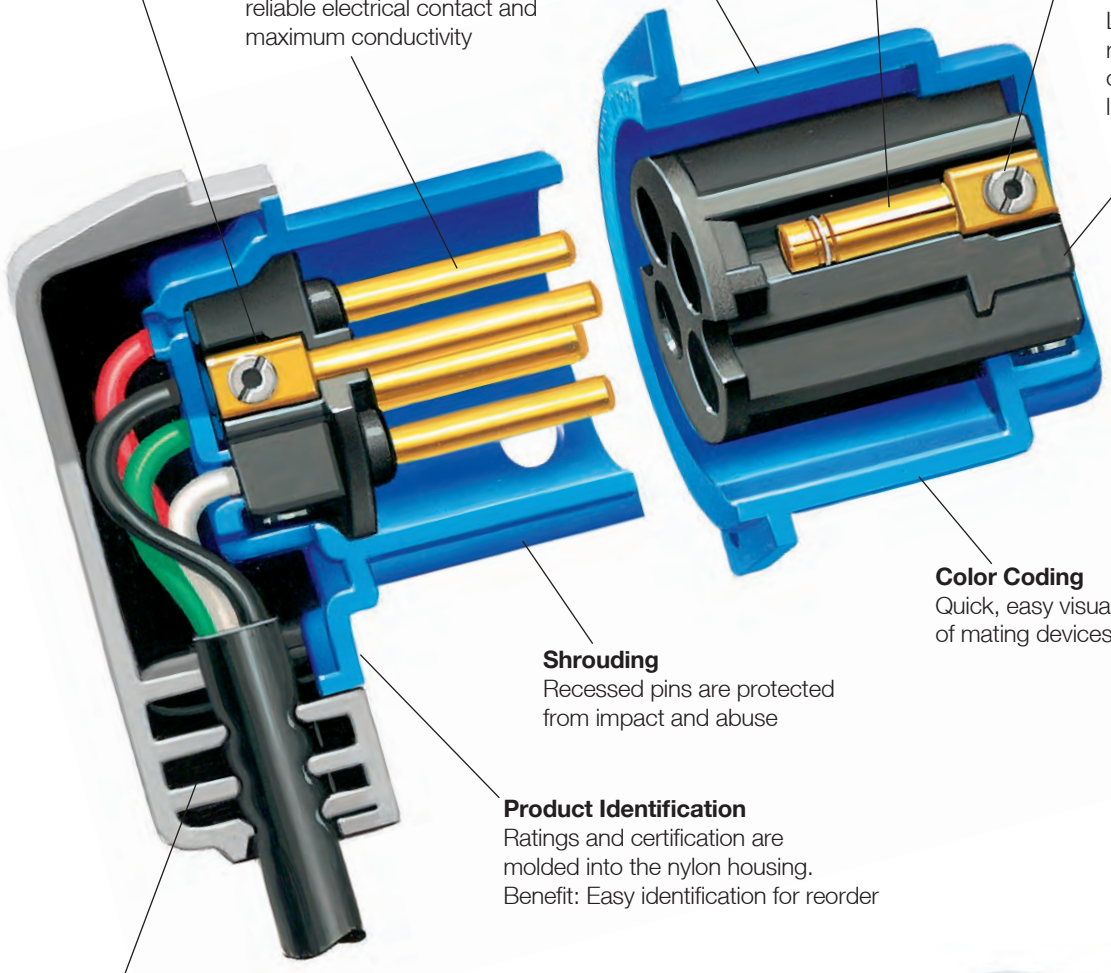
Split Sleeves
Split sleeves with self-adjusting stainless steel springs assure constant contact pressure (20A and 30A). On 60A devices, Beryllium Copper insert with multiple contact points assures easy insertion and a tight fit

Nylon Construction
Both interior and exterior are made of tough, durable nylon

Stainless Steel Terminal Screws
Resist rust and corrosion

Solid One-Piece Pins
Solid construction. Long life, reliable electrical contact and maximum conductivity

Terminal Identification
Large markings for easy recognition results in ease of wiring on the assembly line or in the field



Color Coding
Quick, easy visual identification of mating devices

Shrouding
Recessed pins are protected from impact and abuse

Product Identification
Ratings and certification are molded into the nylon housing.
Benefit: Easy identification for reorder

Integrated Cord Grip
Limits strain on terminals, keeps cord connected

L420P9

L420R9

Low Profile Devices and Specifications

20, 30 and 60 Ampere - North American Ratings

Low Profile Devices

Rating					Devices		Cord Diameter
Amps	Poles and Wires	Configuration Recep./ Conn.	Configuration Plug/ Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
20	3P 4W			3Ø 250V	L420P9	L420R9	.350" - .710" (8.3 - 15.9)
30	3P 4W			125/250V	L430P12	L430R12	.390" - .775" (9.9 - 19.7)
30	3P 4W			3Ø 250V	L430P9	L430R9	.390" - .775" (9.9 - 19.7)
Amps	Poles and Wires	Configuration Recep./ Conn.	Configuration Plug/ Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
60	3P 4W			3Ø 250V	A460P9	A460R9	.75" - 1.25" (19.1 - 31.8)
Amps	Poles and Wires	Configuration Recep./ Conn.	Configuration Plug/ Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
60	4P 5W			3ØY 120/208V	A560P9	HBL560R9W	.89" - 1.42" (22.6 - 36.1)
100	4P 5W			3ØY 120/208V	A5100P9	HBL5100R9W	1.34" - 1.50" (34.0 - 38.1)

Specifications

Electrical	
Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	250V RMS.
Current Interrupting	Certified for current interruption at full rated current.
Temperature Rise	Max. 30 C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage.

Mechanical	
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL standard 62, CSA C22.2 No. 49 and the <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American convention.
Product Identification	Ratings are a permanent part of the device housing.

Environmental	
Flammability	HB or better per UL 94 or CSA. C22.2 No. 0.17.
Ingress Protection	IP22 Suitability
Operating Temperatures	Maximum Continuous 75° C; Minimum -40°C without impact.

Application Guide

Agriculture	Indoor location and maintenance.
Chemical Processing	Indoor location and maintenance.
Construction	Indoors for added safety and abuse resistance.
Entertainment	Indoor location and maintenance.
Food Service	Food service areas where aesthetics and space are concerns.
Light Manufacturing	Indoor locations and maintenance.
Manufacturing	Light assembly areas, stamping operations and maintenance areas.
Military	Warehouse and maintenance areas.

Materials

Plug	Material
Case	Zytel® 101 Nylon
Shroud	Zytel® 101 Nylon
Pin Carrier 20 & 30A	Zytel® 101 Nylon
Pin and Carrier 60A	High-Impact Thermoset
Pins	Brass CDA#360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)

Receptacle	
Body	Zytel® 101 Nylon
Sleeve Carrier 20 & 30A	Zytel® 101 Nylon
Sleeve Carrier 60A	High-Impact Thermoset
Sleeves	Brass CDA #360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Adapter Plate 20 & 30A	Galvanized Steel
Adapter Plate 60A	Aluminum
Wall Trim Plate	Zytel® 101 Nylon
Panel Mount Trim Plate	Stainless Steel (300 series)

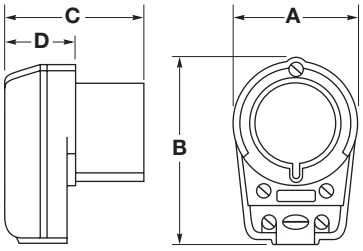
Note: See page G-25 for product dimensions.

® Zytel and Rynite are registered trademarks of E.I. DuPont Corp.

Plug Dimensions

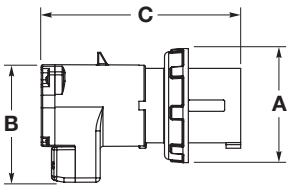
Type	A	B	C	D	Cord Range Diameter
L420P9	2.47" (62.7)	3.78" (96.0)	2.93" (74.4)	1.49" (37.8)	.350"-.710" (8.9-18.0)
L430P12	2.97" (75.4)	4.18" (106.2)	3.50" (88.9)	1.71" (43.4)	.390"-.775" (9.9-19.7)
A460P9	3.38" (85.9)	4.25" (108.0)	7.00" (177.8)	–	.75"-1.25" (19.1- 31.8)
A5100P9	4.92" (125.00)	5.07" (128.81)	8.60" (218.35)	–	1.34"-1.50" (34.0- 38.1)

Plugs

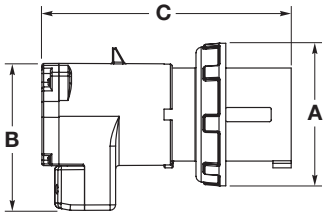


20 and 30A

Angled Plugs



60A

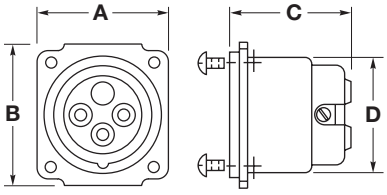


100A

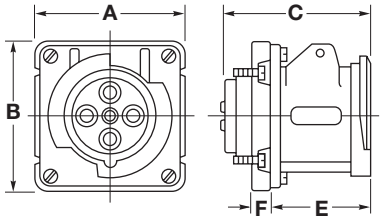
Wall Mount Receptacle Dimensions

Type	A	B	C	D	E	F
L420R9	2.60" (66.0)	2.81" (71.4)	2.28" (57.9)	2.38" (60.5)	–	–
L430R12	3.12" (79.2)	3.12" (79.2)	2.77" (70.4)	2.76" (70.1)	–	–
A460R9	4.50" (114.3)	4.50" (114.3)	4.48" (113.8)	–	3.62" (91.9)	.50" (12.7)

Wall Mount Receptacles

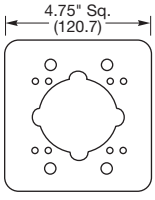


20 and 30A

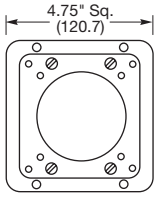


60A

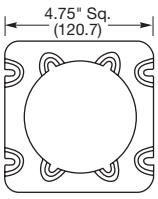
Adapter Plate (Included with "L" and "A" series receptacles)



20A
Mounting
2-gang box

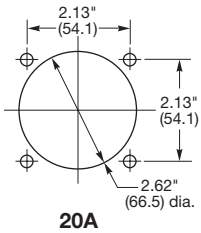


30A
Mounting
2-gang box

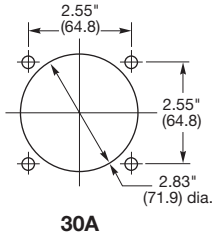


60A
Mounting
2-gang box
and 4 11/16" box

Panel Cutout



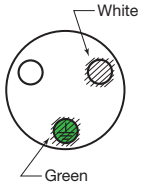
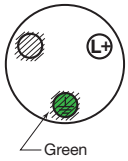
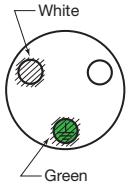
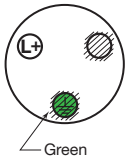
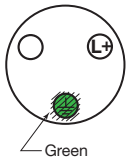
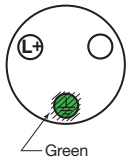
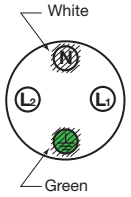
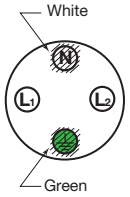
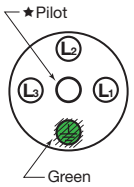
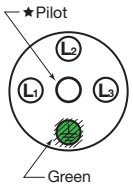
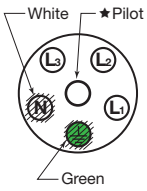
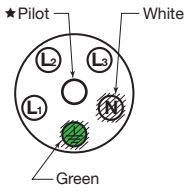
20A



30A

Dimensions in Inches (mm)

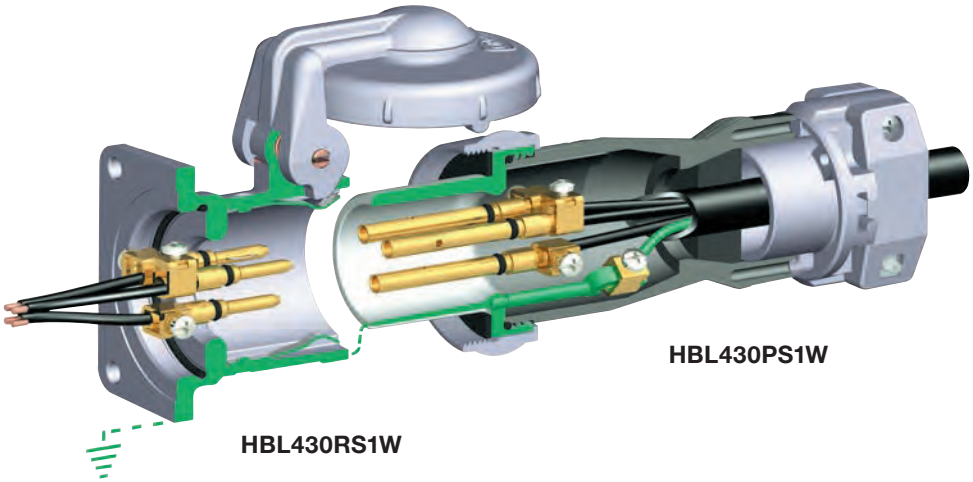
IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
			Receptacle and Connector		Plug and Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

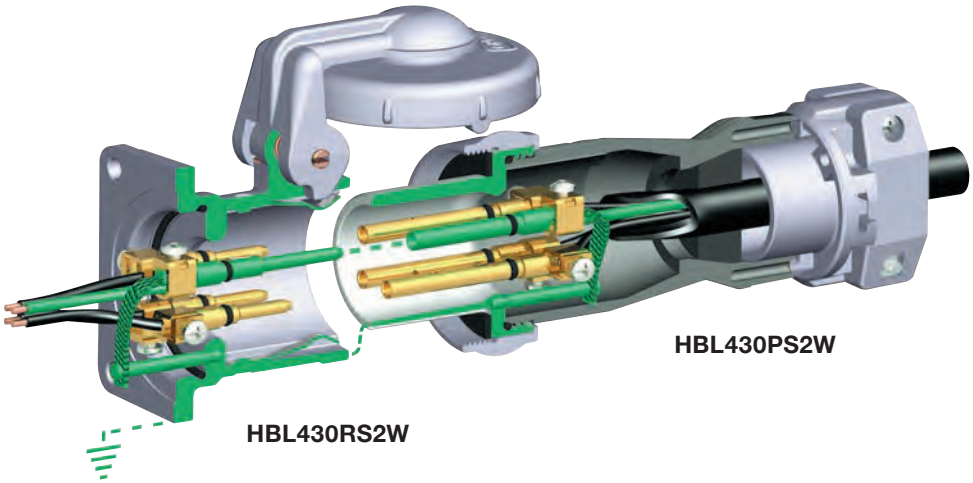
Ground Path

To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.



Style I

Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.



Style II

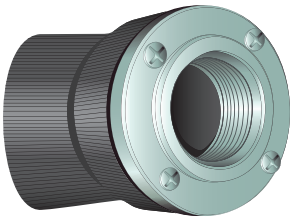
The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they “make first" and “break last," assuring protection for people and equipment.

New Pole and Wire Terminology

Style I			Style II		
New	Old	No. of Contacts	New	Old	No. of Contacts
2P 3W	2W 2P	2	2P 3W	2W 3P	3
3P 4W	3W 3P	3	3P 4W	3W 4P	4
4P 5W	4W 4P	4			

Insulgrip® Pin and Sleeve Devices

Features and Benefits

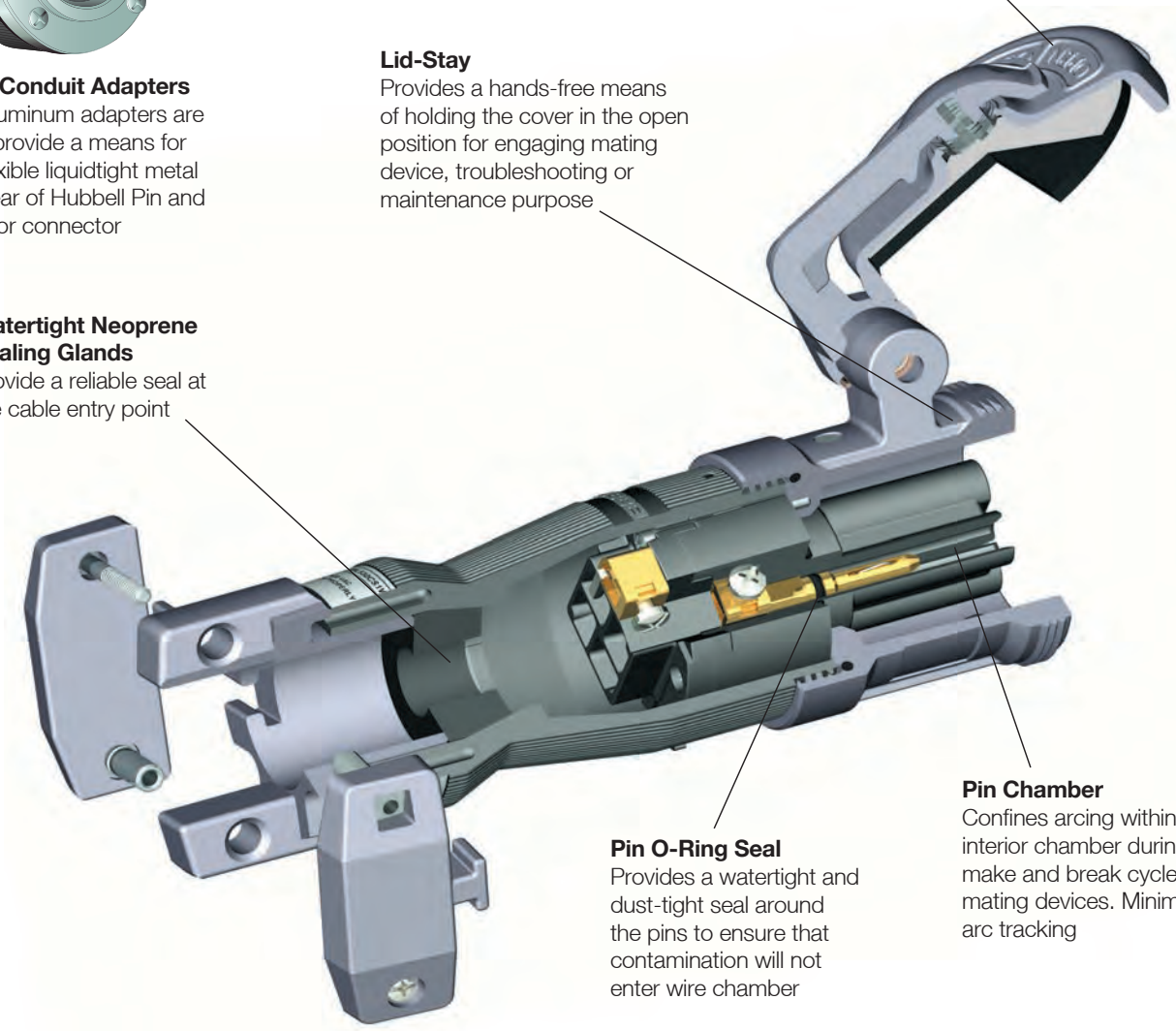


Liquidtight Conduit Adapters
Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector

Spring-Loaded, Gasketed Cover
Provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles

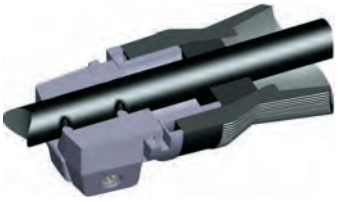
Lid-Stay
Provides a hands-free means of holding the cover in the open position for engaging mating device, troubleshooting or maintenance purpose

Watertight Neoprene Sealing Glands
Provide a reliable seal at the cable entry point

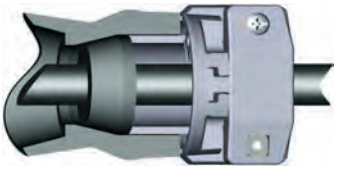


Pin O-Ring Seal
Provides a watertight and dust-tight seal around the pins to ensure that contamination will not enter wire chamber

Pin Chamber
Confines arcing within the interior chamber during make and break cycle of mating devices. Minimizes arc tracking

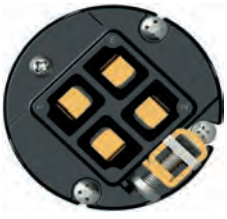


Powerful Mechanical Cord Grip
Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations. Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention.



Watertight Cord Entrance
The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord. Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance.

Anti-Vibration Box Terminals
Interlocking box terminals ensure that terminal screws remain secure and cannot loosen. The floating box is designed to obtain high-torque values without damaging stranded conductors.



Terminal Entrance Holes
Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands. Tapered hole provides a fast and easy guide into the termination chamber.

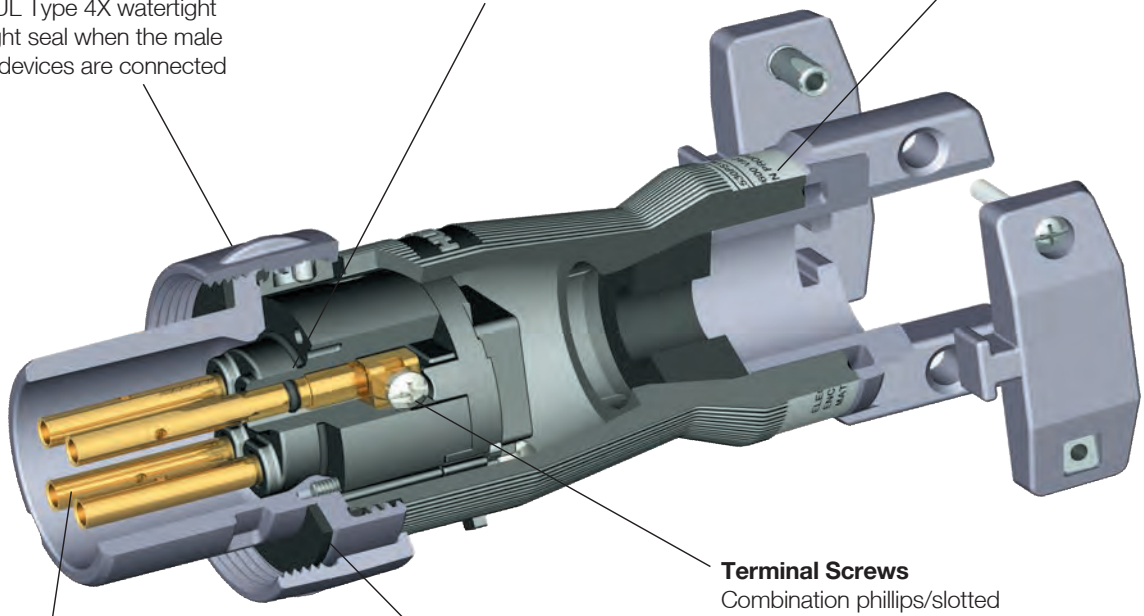
Insulgrip® Pin and Sleeve Devices

Features and Benefits

Product Marking
Catalog number and rating visible while in use. Markings are color coded differentiating Style I and Style II devices

Sleeve O-Ring Seal
Provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber

Locking Ring
Provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected

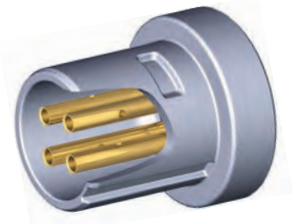


Terminal Screws
Combination phillips/slotted head design

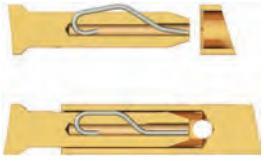
Shroud/Housing Seal
Provides a watertight and dust-tight seal when mated with receptacle or connector

All-Brass Sleeve Contacts
Provide reliable electrical contact with mating pins. Ensures reliable electrical contact with minimum heat build-up over time

Thermoplastic Housing
Provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments.



Shrouded Sleeves
The shroud protects contact sleeves from deforming from physical abuse. The design protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts.



Beryllium Copper Spring-Pin Design (Patented)
Maintains high unit pressure on mating sleeves. Ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time.

Thermoset Polyester Contact Carrier
Molded thermoset polyester provides high resistance to electrical tracking. Withstands higher temperatures which may result from overload or arcing. Thermoset properties provide dimensional stability for this critical assembly.

Insulgrip® Pin and Sleeve Devices - Style I and II

30, 60, 100 and 200 Ampere, 600/250 Voltage AC/DC, 50-400 Hertz

TYPE 4X**

Rating				Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	**HBL330RS1W**	**HBL330PS1W**	**HBL330CS1W**	**IN330FS1**	**IN330MS1**
	3P 4W		600/250	**HBL430RS1W**	**HBL430PS1W**	**HBL430CS1W**	**IN430FS1**	**IN430MS1**
	4P 5W		600/250	**HBL530RS1W**	**HBL530PS1W**	**HBL530CS1W**	**IN530FS1**	**IN530MS1**
60	2P 3W		600/250	**HBL360RS1W**	**HBL360PS1W**	**HBL360CS1W**	**IN360FS1**	**IN360MS1**
	3P 4W		600/250	**HBL460RS1W**	**HBL460PS1W**	**HBL460CS1W**	**IN460FS1**	**IN460MS1**
	4P 5W		600/250	**HBL560RS1W**	**HBL560PS1W**	**HBL560CS1W**	**IN560FS1**	**IN560MS1**
100	2P 3W		600/250	**HBL3100RS1W**	**HBL3100PS1W**	**HBL3100CS1W**	**IN3100FS1**	**IN3100MS1**
	3P 4W		600/250	**HBL4100RS1W**	**HBL4100PS1W**	**HBL4100CS1W**	**IN4100FS1**	**IN4100MS1**
	4P 5W		600/250	**HBL5100RS1W**	**HBL5100PS1W**	**HBL5100CS1W**	**IN5100FS1**	**IN5100MS1**
200	3P 4W		600/250	**HBL4200RS1W**	**HBL4200PS1W**	**HBL4200CS1W**	**IN4200FS1†**	**IN4200MS1†**
	4P 5W		600/250	**HBL5200RS1W**	**HBL5200PS1W**	**HBL5200CS1W**	**IN5200FS1†**	**IN5200MS1†**

Rating				Style II Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	**HBL330RS2W**	**HBL330PS2W**	**HBL330CS2W**	**IN330FS2**	**IN330MS2**
	3P 4W		600/250	**HBL430RS2W**	**HBL430PS2W**	**HBL430CS2W**	**IN430FS2**	**IN430MS2**
60	2P 3W		600/250	**HBL360RS2W**	**HBL360PS2W**	**HBL360CS2W**	**IN360FS2**	**IN360MS2**
	3P 4W		600/250	**HBL460RS2W**	**HBL460PS2W**	**HBL460CS2W**	**IN460FS2**	**IN460MS2**
100	2P 3W		600/250	**HBL3100RS2W**	**HBL3100PS2W**	**HBL3100CS2W**	**IN3100FS2**	**IN3100MS2**
	3P 4W		600/250	**HBL4100RS2W**	**HBL4100PS2W**	**HBL4100CS2W**	**IN4100FS2**	**IN4100MS2**
200	2P 3W		600/250	**HBL3200RS2W**	**HBL3200PS2W**	**HBL3200CS2W**	**IN3200FS2†**	**IN3200MS2†**
	3P 4W		600/250	**HBL4200RS2W**	**HBL4200PS2W**	**HBL4200CS2W**	**IN4200FS2†**	**IN4200MS2†**

Rating				Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Back Boxes	Angle Adapter
200	4P 5W		600/250	**M5200RS1**	**M5200PS1**	**M5200CS1**	**MB2003W MB2004W**	**AA20045**

*Note: *__CAUTION:__ To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*
†Consult factory.
Corrosion resistant cord sets are available on page Z-17 of this catalog.

"Reversed Service" Insulgrip® Pin and Sleeve Devices - Style I and II

30, 60, 100 and 200 Ampere, 600/250 Voltage AC/DC, 50-400 Hertz

TYPE 4X**

Rating				Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS1WR	HBL330PS1WR	HBL330CS1WR	IN330MS1	IN330FS1
	3P 4W		600/250	HBL430RS1WR	HBL430PS1WR	HBL430CS1WR	IN430MS1	IN430FS1
	4P 5W		600/250	HBL530RS1WR	HBL530PS1WR	HBL530CS1WR	IN530MS1	IN530FS1
60	2P 3W		600/250	HBL360RS1WR	HBL360PS1WR	HBL360CS1WR	IN360MS1	IN360FS1
	3P 4W		600/250	HBL460RS1WR	HBL460PS1WR	HBL460CS1WR	IN460MS1	IN460FS1
	4P 5W		600/250	HBL560RS1WR	HBL560PS1WR	HBL560CS1WR	IN560MS1	IN560FS1
100	2P 3W		600/250	HBL3100RS1WR	HBL3100PS1WR	HBL3100CS1WR	IN3100MS1	IN3100FS1
	3P 4W		600/250	HBL4100RS1WR	HBL4100PS1WR	HBL4100CS1WR	IN4100MS1	IN4100FS1
	4P 5W		600/250	HBL5100RS1WR	HBL5100PS1WR	HBL5100CS1WR	IN5100MS1	IN5100FS1
200	3P 4W		600/250	HBL4200RS1WR	HBL4200PS1WR	HBL4200CS1WR	IN4200MS1†	IN4200FS1†
	4P 5W		600/250	HBL5200RS1WR	HBL5200PS1WR	HBL5200CS1WR	IN5200MS1†	IN5200FS1†

Rating				Style II Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2WR	HBL330PS2WR	HBL330CS2WR	IN330MS2	IN330FS2
	3P 4W		600/250	HBL430RS2WR	HBL430PS2WR	HBL430CS2WR	IN430MS2	IN430FS2
60	2P 3W		600/250	HBL360RS2WR	HBL360PS2WR	HBL360CS2WR	IN360MS2	IN360FS2
	3P 4W		600/250	HBL460RS2WR	HBL460PS2WR	HBL460CS2WR	IN460MS2	IN460FS2
100	2P 3W		600/250	HBL3100RS2WR	HBL3100PS2WR	HBL3100CS2WR	IN3100MS2	IN3100FS2
	3P 4W		600/250	HBL4100RS2WR	HBL4100PS2WR	HBL4100CS2WR	IN4100MS2	IN4100FS2
200	2P 3W		600/250	HBL3200RS2WR	HBL3200PS2WR	HBL3200CS2WR	IN3200MS2†	IN3200FS2†
	3P 4W		600/250	HBL4200RS2WR	HBL4200PS2WR	HBL4200CS2WR	IN4200MS2†	IN4200FS2†

Rating				Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Back Boxes	Angle Adapter
200	4P 5W		600/250	M5200BS1R	M5200CS1R	—	MB2003W MB2004W	AA20045

*Note: **CAUTION:** To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*

***While in use or with cover closed.*

†Consult factory.

Corrosion resistant cord sets are available on page Z-17 of this catalog.

MB301W

MB304W

MB601003W

MB601006W

MB2003W

CC3430

ILR1

SAB34

074093403

Insulgrip Pin and Sleeve Metallic Back Boxes

Hubbell manufactures an extensive line of back boxes for use with UL 1686 Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit.

Metallic 30° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 30A devices.	30	¾"	**MB301W**
	30	1"	**MB302W**

Metallic 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 60A devices.	60	1"	**MB601W**
	60	1¼"	**MB602W**
	60	1½"	**MB603W**

Metallic Feed-Thru Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Straight feed-thru box for 30A devices.	30	¾"	**MB303W**
	30	1"	**MB304W**
Straight feed-thru box for 60A devices.	60	1"	**MB604W**
	60	1¼"	**MB605W**
	60	1½"	**MB606W**

Metallic Four-Way Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way 15° angle box for 60 and 100A devices.	60/100	1¼"	**MB601002W**
	60/100	1½"	**MB601003W**
	60/100	2"	**MB601004W**
Four-way 45° angle box for 200A devices.	200	2"	**MB2003W**
	200	2½"	**MB2004W**
45° Angle adapter only for 200A devices.	200	-	**AA20045**

Metallic Four-Way Feed-Thru 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way feed-thru, 15° angle for 60 and 100A devices.	60/100	1¼"	**MB601006W**
	60/100	1½"	**MB601007W**
	60/100	2"	**MB601008W**

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Replacement Cord Clamp and Locking Ring

Description	Used on	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 30A plugs and connectors.	All 3, 4, 5 wire	**CC3430**	**ILR1****
Fits all 60A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC60**	**ILR2****
	All 3 wire and 4 wire (Style 1)	**CC60**	**ILR3****
Fits all 100A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC100**	**ILR4****
	All 3 wire and 4 wire (Style 1)	**CC100**	**ILR5****
Fits all 200A plugs and connectors.	All 3, 4, 5 wire	**CC201**	—

*Note: **Locking Ring only.*

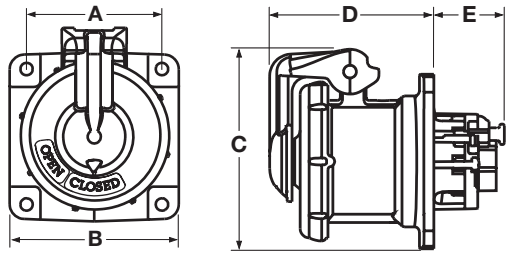
Liquidtight Adapters

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter	Optional Kellems Liquidtight Conduit Grip
30 Amp	½" NPT	**SAB12**	**074093402**
	¾" NPT	**SAB34**	**074093403**
	1" NPT	**SAB100**	**074093404**
60 Amp	1" NPT	**SAC100**	**074093404**
	1¼" NPT	**SAC125**	**074093405**
100 Amp	1¼" NPT	**SAD125**	**074093405**
	1½" NPT	**SAD150**	**074093406**

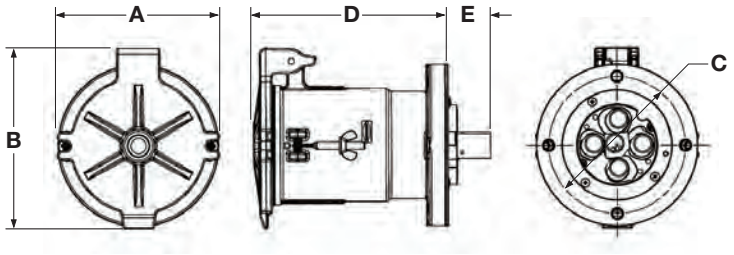
Insulgrip® Pin and Sleeve Device Dimensions

Receptacle Dimensions

		A		B		C		D		E	
Amps	Type	Style I	Style II	Style I	Style II	Style I	Style II	Style I	Style II	Style I	Style II
30	330R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	430R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	530R	2.72" (69)		3.40" (86)		3.89" (99)		3.19" (81)		1.37" (35)	
60	360R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	460R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	560R	3.50" (89)		4.25" (108)		4.66" (118)		4.42" (112)		1.54" (39)	
100	3100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	4100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	5100R	3.50" (89)		4.25" (108)		4.66" (118)		5.30" (135)		1.54" (39)	
200	3200R		6.50" (165)		7.00" (177)		5.63" (143)		7.76" (197)		.99" (25)
	4200R	6.50" (165)	6.90" (170)	7.00" (177)	7.39" (187)	5.63" (143)	5.63" (143)	7.76" (197)	7.76" (197)	.99" (25)	.99" (25)
	5200R	6.90" (170)		7.39" (187)		5.63" (143)		7.76" (197)		.99" (25)	



30, 60 and 100 Amp



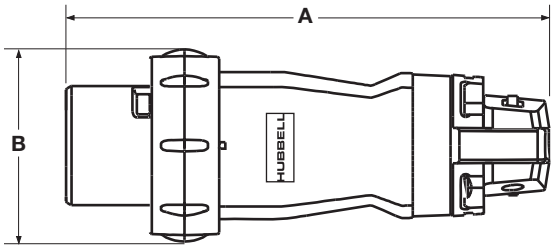
200 Amp

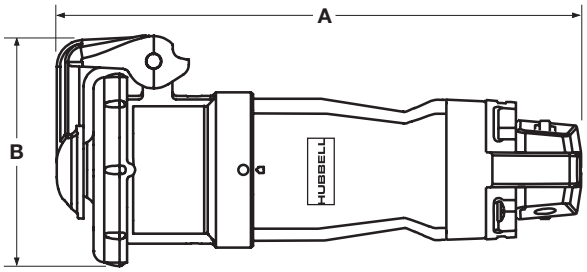
Plug Dimensions

			A		B		
Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
30	330P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	430P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	530P	7.53" (191)		3.00" (76)		.375-1.20" (9.5-30.5)
60	360P	9.40" (239)	9.40" (239)	3.40" (86)	3.40" (86)	.500-1.45" (12.7-36.8)
	460P	9.40" (239)	9.40" (239)	3.40" (86)	3.70" (94)	.500-1.45" (12.7-36.8)
	560P	9.40" (239)		3.70" (94)		.500-1.45" (12.7-36.8)
100	3100P	10.70" (272)	10.70" (272)	3.70" (94)	3.70" (94)	.925-1.94" (27.0-49.3)
	4100P	10.70" (272)	10.90" (277)	3.70" (94)	4.00" (102)	.925-1.94" (27.0-49.3)
	5100P	10.90" (277)		4.00" (102)		.925-1.94" (27.0-49.3)
200	3200P		11.13" (282)		6.35" (161)	1.00-2.50" (25.4-63.5)
	4200P	11.13" (282)	11.13" (282)	6.35" (161)	6.70" (170)	1.00-2.50" (25.4-63.5)
	5200P	11.13" (282)		6.70" (170)		1.00-2.50" (25.4-63.5)

Connector Body Dimensions

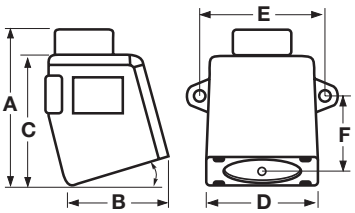
			A		B		
Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
30	330C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	430C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	530C	8.38" (213)		3.74" (95)		.375-1.20" (9.5-30.5)
60	360C	9.90" (251)	9.90" (251)	3.50" (89)	3.50" (89)	.500-1.45" (12.7-36.8)
	460C	9.90" (251)	10.10" (256)	3.50" (89)	3.80" (96)	.500-1.45" (12.7-36.8)
	560C	10.10" (256)		3.80" (96)		.500-1.45" (12.7-36.8)
100	3100C	11.70" (297)	11.70" (297)	4.50" (114)	4.50" (114)	.925-1.94" (27.0-49.3)
	4100C	11.70" (297)	11.90" (302)	4.50" (114)	4.70" (119)	.925-1.94" (27.0-49.3)
	5100C	11.90" (302)		4.70" (119)		.925-1.94" (27.0-49.3)
200	3200C		13.65" (346)		7.00 (177)	1.00-2.50" (25.4-63.5)
	4200C	13.65" (346)	13.65" (346)	7.00" (177)	7.39 (187)	1.00-2.50" (25.4-63.5)
	5200C	13.65" (346)		7.39" (187)		1.00-2.50" (25.4-63.5)





Dimensions in Inches (mm)

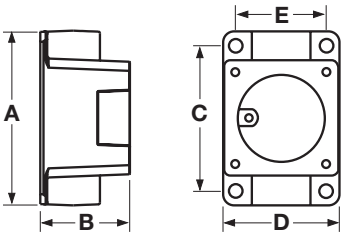
Insulgrip® Pin and Sleeve Device Dimensions



Metallic Angle Box

Metallic Angle Back Box

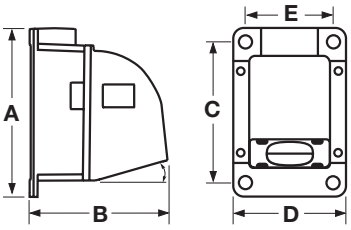
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
30° Angle back box for 30A devices.	¾"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	**MB301W**
	1"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	**MB302W**
15° Angle back box for 60A devices.	1"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB601W**
	1¼"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB602W**
	1½"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB603W**



Metallic Feed-Thru Box

Metallic Feed-Thru Back Box

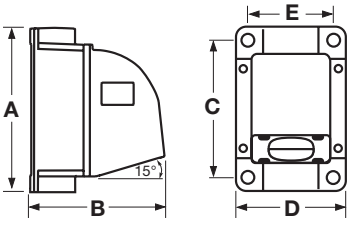
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Back box for 30A devices.	¾"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	–	**MB303W**
	1"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	–	**MB304W**
Back box for 60A devices.	1"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB604W**
	1¼"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB605W**
	1½"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB606W**



Metallic Four-Way Angle Box

Metallic Four-Way Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
15° Angle four-way box for 60 and 100A devices.	1¼"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601002W**
	1½"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601003W**
	2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601004W**
45° Angle four-way box for 200A devices.	2"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	–	**MB2003W**
	2½"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	–	**MB2004W**
45° Angle adapter only for 200A devices.	–	8.00" (203.2)	6.00" (152.4)	7.00" (178.0)	8.00" (203.2)	7.00" (178.0)	–	**AA20045**



Metallic Feed-Thru Angle Box

Metallic Four-Way Feed-Thru 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Four-way Feed-thru box for 60 and 100A devices.	1¼"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601006W**
	1½"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601007W**
	2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601008W**

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Dimensions in Inches (mm)

Materials (30, 60, 100, and 200 Amp)

Plug	Material
Housing	Valox® 357 (200A Aluminum)
Plug Shroud	Aluminum
Cord Clamps	Rynite® SST35 (200A Aluminum)
Clamp Nut	Nickel Plated Brass
Gland Cap	Rynite® SST35
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Sleeves	Brass (M-Series - Nickel-plated tellurium copper)
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Locking Ring	Epoxy Painted Aluminum
Connector Body	
Housing	Valox® 357 (200 Amp Aluminum)
Connector Shroud	Epoxy Painted Aluminum
Cord Clamps	Rynite® SST35
Clamp Nut	Nickel Plated Brass
Gland Cap	Rynite® SST35 (200A Aluminum)
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum
Receptacle	
Housing/Flange	Epoxy Painted Aluminum
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Steel
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Typical Specification

Manufacturer's ID	Hubbell HBL430PS2W
Description	Plug, Power Supply
Electrical Type	3 Pole + Earth
Max. Rating	30 Amp, 600V AC, 250V DC, 50-400Hz
Configuration	UL 1686, Watertight, C1 Configuration
Certification	UL Listed, UL Standard 1682, UL 50, and UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC.
Max. Working Voltage	600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current.
Endurance	Up to 1,000 connect and disconnect cycles at full rated current and voltage.
Mechanical	
Impact Resistance	Per CSA C22.2, No. 182.1, UL 1682.
Cord Grip Cable Retention	Per CSA C22.2, No. 182.1, UL 1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with UL 1686 (1, 2, 3, Green).
Product Identification	Identification and ratings are permanently fastened to the device housing.
Environmental	
Hose Down & Moisture Resistance	Type 3, 4, 4X per UL 50E and CSA 22.2, No. 94.
Flammability (Enclosure)	UL 94V-0 and CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C without impact -25° with impact.
Hazardous Location (30, 60 & 100A) (plug only)	Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159.
Materials	
Housings	Valox® 357 (200A Aluminum).
All Other Materials	Resistant to corrosion and chemical attack.

Watertight Application Guide

Industry	Watertight.
Agriculture	Outdoor for fans, heaters, pumps, etc.
Chemical Processing	Where subject to water, corrosion.
Construction	Outdoors subject to severe weather conditions.
Entertainment	Outdoors subject to severe weather.
Food Processing	Where subject to water, corrosion.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing	Subjected to cleaning, solvents & chemicals.
Manufacturing	Where subject to water, corrosion.
Military	Outdoor construction or maintenance.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Rynite® is a registered trademark of E.I. DuPont Corp.

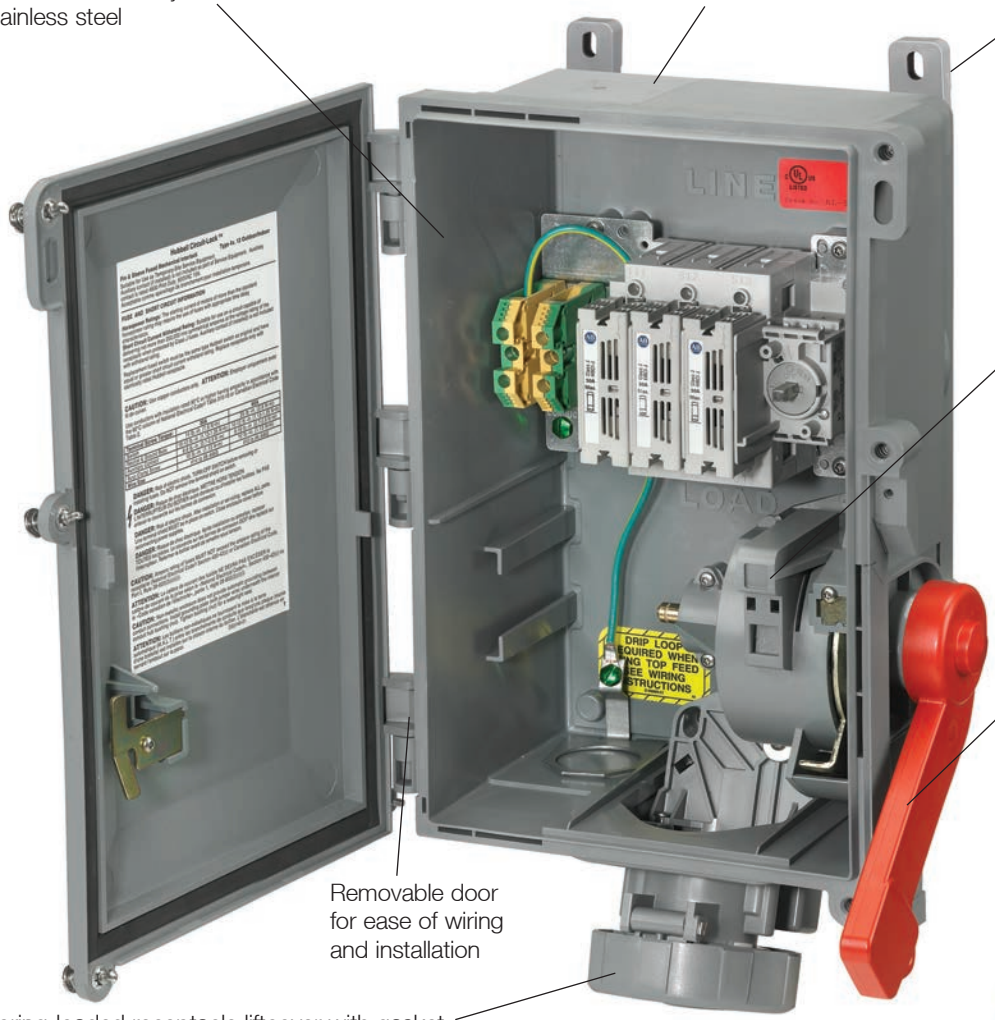
Insulgrip® Mechanical Interlocks

Features and Benefits

Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic Valox® to resist abuse, corrosion and enhance safety. All external hardware is stainless steel

Three "molded in" conduit drill points are located on the top, bottom, and back surface of enclosure. Conduit hub provided: 30A 1 inch NPT, 60A 1¼ inch NPT

Adjustable mounting feet (4) can be mounted in any 1 of 3 positions for ease of installation



The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF

High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5⁄16 inch padlock shackle

Removable door for ease of wiring and installation

Spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked

HBL430MIFS2W

Conduit hub and mounting feet are supplied with each Insulgrip® Mechanical Interlock

Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures. Thermoset properties provide excellent dimensional stability, low moisture absorption, and superior dielectric strength.

Stainless steel ¼ turn door fasteners for quick, easy access to fuses.

Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Insulgrip® Mechanical Interlocks - Style II, Fused and Unfused

30 and 60 Ampere, 600/250 Voltage AC/DC, 50-400 Hertz

Type 4X**

Style II - Fused

Rating				Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug
30	3P 4W		600/250	**HBL430MIFS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIFS2W**	**HBL460PS2W**

Style II - Unfused

Rating				Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug
30	3P 4W		600/250	**HBL430MIS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIS2W**	**HBL460PS2W**

Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.

**__CAUTION:__ To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*

***While in use or with cover closed.*

Gray Style Switch

HBLACFSNO **HBL30MIFRS**

Black Style Switch

ACFSNO **30MIFRS**

Replacement Auxiliary Contacts

Description	Black Style Switch	Gray Style Switch
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.

Replacement Switches

Description	Black Style Switch	Gray Style Switch
For 30A fused switches.	**30MIFRS**	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	—	**HBL60MIFRS**
For 30A unfused switches.	**30MISRS**	**HBL30MISRS**
For 60A unfused switches. Gray Style switch will retro fit Black Style switch.	—	**HBL60MISRS**

*Note: If replacing a Black Style switch, you must use the **30MIFRS**. All other applications can use the Gray Style switch.*

MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**$^{\Delta}$

Note: $^{\Delta}$Package of 10 feet and 10 screws.

HBLRFT2

Typical Specifications

Manufacturer's Identification	Hubbell HBL460MIFS2W
Description	Fused Insulgrip® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 250VDC/600VAC
Configuration	Per UL 1686 C1
Enclosure Type (UL 50E)	Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust Tight, Falling Dirt)
Ingress Protection	IP66 Suitability
Certification	UL Listed for US and Canada

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted.

Materials

Part	Material
Base, Door and Handle	Valox®
Conduit Hub	Zinc, 30A – 1 in., 60A – 1¼ in. NPT
Enclosure Gasket and Shaft Seal	Neoprene
Shaft and Mounting Inserts	Brass
Ground Plate	Galvanized Steel
Enclosure Screws and Hinge Spring	Stainless Steel
Hinge Pin	Nickel-Plated Brass
Contact Carrier	Thermoset Polyester

Performance

Electrical	
Dielectric Voltage	Withstands 3,000VAC Min.
Max. Working Voltage	250VDC/600VAC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle housing.
Mounting	External adjustable feet.

Environmental	
Moisture Resistance	Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +60°C; Min. Continuous -40°C w/o impact.
UV Resistance	All exposed insulating materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

30A Horsepower Ratings

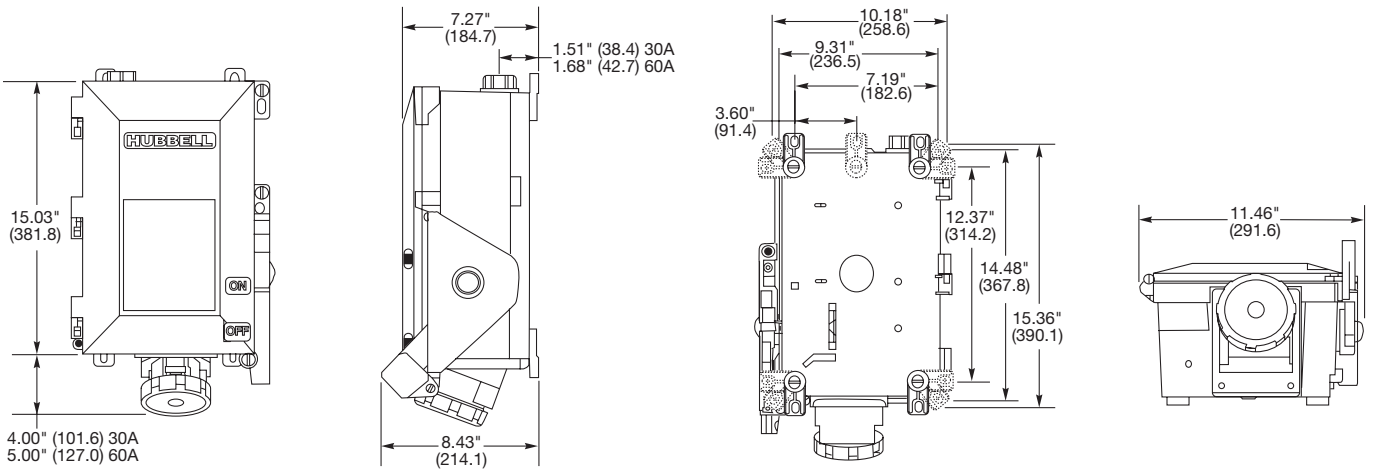
3 Phase A.C.	Standard	Maximum*
200-240V	3	7.5
480V	5	15
600V	7.5	20

60A Horsepower Ratings

3 Phase A.C.	Standard	Maximum*
200-240V	7.5	15
480V	15	30
600V	15	50

*Note: *Requires time delay fuses.*

Dimensions



Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

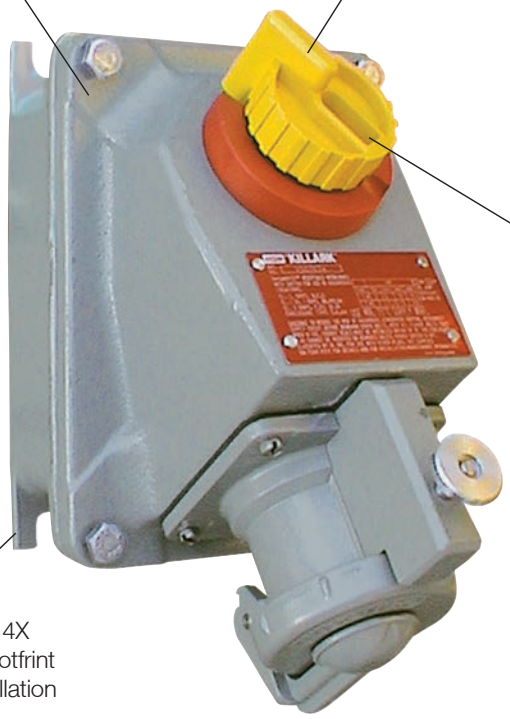
Hazardous Location Non-Fused UL1686 Mechanical Interlocks and Plugs

Hubbell's hazardous location line of non-fused mechanically interlocked disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.

VSQ Hazardous Location Ratings
Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, Groups IIB+H2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G)

Copper-free aluminum construction with electrostatically applied polyester/ epoxy finish to prevent corrosion

Large visible rotary handle with "On-Off" indicator allows a quick means of disconnecting power



Lockable handle to meet OSHA Lockout/Tagout regulations

Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations

HBLVSQ3034

HBLVP3485

Features

- Product is UL1686 and is fully interchangeable with other UL1686 configured and listed devices.
- NEMA 4X with receptacle lid turned shut or with plug locking ring tightened.
- Handle mechanism is chemical resistant Valox® (TM Sabic) thermoplastic.
- Plug and switch are interlocked. Switch cannot be turned "ON" without fully inserted plug. Plug cannot be removed with switch in "ON" position.
- Plug held in place when switch is "Off" for convenience. Pull operated release mechanism.
- Auxiliary Contact (late-make early-break) contact rated 10 Amp, 1/3 HP at 125/250VAC. Can be used for operating pilot lights or starter coils.
- Feed-through construction.
- Internal switch horsepower rated as "suitable as a motor disconnect".

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBLVSQ3034

30 and 60 Amp Non-Fused UL1686 Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Plug
30 Amp 600V AC	2W 3P	**HBLVSQ3023**	**HBLVP3385**
	3W 4P	**HBLVSQ3034**	**HBLVP3485**
60 AMP 600V AC	2W 3P	**HBLVSQ6023**	**HBLVP6385**
	3W 4P	**HBLVSQ6034**	**HBLVP6485**

Note: HBLVSQ 30 Amp models come standard with 1" drilled and tapped conduit openings top and bottom plus two 1" x ¾" reducers and one ¾" close-up plug for maximum flexibility. 60 amp models come with one 1½" opening on top and bottom and one 1½" close-up plug.

HBLVP3485

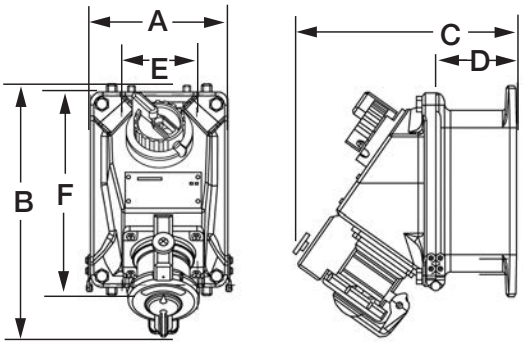
Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600
30 Amp	1Ø	2	5	10	15
	3Ø	3	7.5	15	20
60 Amp	1Ø	–	10	15	20
	3Ø	–	10	25	30

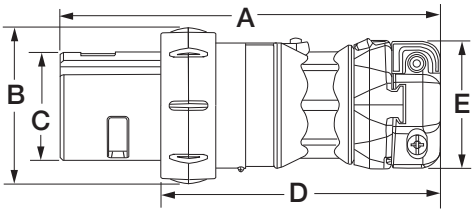
*Note: *Internal switch only.*

Dimensions

Mechanical Interlocks	A	B	C	D	E	F
30A	5.75 (146)	10.50 (267)	9.75 (248)	3.75 (95)	3.13 (79)	8.13 (206)
60A	8.13 (206)	14.16 (360)	11.28 (287)	4.03 (102)	2.50 (64)	11.38 (289)



Plugs	A	B	C	D	E
30A Both	6.69 (170)	3.00 (76)	1.88 (48)	5.38 (137)	2.53 (64)
60A, 3 Pole	8.81 (224)	3.38 (86)	2.25 (57)	6.50 (165)	3.00 (76)
60A, 4 Pole	8.81 (224)	3.69 (94)	2.53 (64)	6.50 (165)	3.00 (76)



Dimensions in Inches (mm)

Wire Range	30A	60A
Reg. Stranded	#10 – #6	#6 – #4
Extra Flex	#10 – #8	#6 – #4
Grip Range	.55–1.2 (14–30)	.65–1.5 (16–38)

Section H
Single Pole Devices and Temporary Power

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Single Pole
Plugs and Receptacles

Single Pole Accessories

Spider® II and
60A Class "L" Spider® II

Heavy-Duty Outlet Boxes
and Cover Plates

Series 15 and 16 - 150, 300 and 400 Ampere, 600V AC/250V DC

Features and Benefits

Hubbell Wiring Device–Kellems offers a full line of innovative, high quality, Series 15 and Series 16 single pole plugs, receptacles and accessories.

Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making, and numerous other applications requiring temporary power.

Single pole devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

Male Plug

Insulgrip® Style Housing for Superior Gripping conforms to the user's hand making it easy to connect and disconnect, even with gloves on

Non-Conductive Retaining Screw locks contacts in place and allows for easy installation. Prevents contact movement within housing. Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted

Large Raised Alignment Arrow aids in the mating of devices and provides a visual indication that the devices are properly connected

Rounded Corners reduce the possibility of catching or snagging on structures or equipment

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment

Double Cam Design provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends life

Female Plug

Turn and Lock Symbol aids in the mating of devices and provides a clear indication that the devices are properly connected

Easily Identifiable Cable with cut off points for secure fit allows you to easily customize the housing to the required cable size. Makes cutting to the correct cable size very easy. Accommodates wide range of cables

High Conductivity Brass Contact provides improved performance by helping to reduce operating temperatures and extends life

Extra Long non-conductive inner sleeve reduces force required to install housing over contacts. Easier to rotate contact in body for installing retaining screw

Strip Gauge molded into every plug and receptacle housing. Simplifies installation and saves time

Enclosure Types
3R, 4X, 12

Plugs, Male

Description	Color	Male Plug
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	**HBL15MBK**
	White	**HBL15MW**
	Green	**HBL15MGN**
	Red	**HBL15MR**
	Blue	**HBL15MBL**

Plugs, Female

Description	Color	Female Plug
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	**HBL15FBK**
	White	**HBL15FW**
	Green	**HBL15FGN**
	Red	**HBL15FR**
	Blue	**HBL15FBL**

Receptacles, Stud Type 11/16" x 3/4"

Description	Color	Female Receptacles	Male Receptacles
150 amp Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	**HBL15FRSBK**	**HBL15MRSBK**
	White	**HBL15FRSW**	**HBL15MRSW**
	Green	**HBL15FRSGN**	**HBL15MRSGN**
	Red	**HBL15FRSR**	**HBL15MRSR**
	Blue	**HBL15FRSBL**	**HBL15MRSBL**

Receptacles, Double Set Screw

Description	Female Receptacles	Male Receptacles
150 amp Panel Mount, thermoplastic, cable size #8 - #2 AWG.	**HBL15FRBK**	**HBL15MRBK**
	HBL15FRW	**HBL15MRW**
	HBL15FRGN	**HBL15MRGN**
	HBL15FRR	**HBL15MRR**
	HBL15FRBL	**HBL15MRBL**

Protective Caps

Description	Color	Fits Male Devices	Fits Female Devices
Fits 150 amp plugs and receptacles.	Black	**HBL15MCAPBK**	**HBL15FCAPBK**
	White	**HBL15MCAPW**	**HBL15FCAPW**
	Green	**HBL15MCAPGN**	**HBL15FCAPGN**
	Red	**HBL15MCAPR**	**HBL15FCAPR**
	Blue	**HBL15MCAPBL**	**HBL15FCAPBL**

Weather Protective Covers

Description	Color	Catalog Number
Use with stud type or double set screw receptacles.	Black	**HBL15NCBK**
	White	**HBL15NCW**
	Green	**HBL15NCGN**
	Red	**HBL15NCR**
	Blue	**HBL15NCBL**

Enclosure Types
3R, 4X, 12

Tees

Color	Tapping Tee (Female-Female-Male)	Paralleling Tee (Female-Male-Male)
Black	**HBL15TBK**	**HBL15PTBK**
White	**HBL15TW**	**HBL15PTW**
Green	**HBL15TGN**	**HBL15PTGN**
Red	**HBL15TR**	**HBL15PTR**
Blue	**HBL15TBL**	**HBL15PTBL**

Gender Reversing Devices

Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBL15DMBK***	**HBL15DFBK***
White	**HBL15DMW**	**HBL15DFW**
Green	**HBL15DMGN**	**HBL15DFGN**
Red	**HBL15DMR***	**HBL15DFR***
Blue	**HBL15DMBL***	**HBL15DFBL***

*Note: *Not UL listed, consult factory for availability.*

Replacement Bodies (25 Pack)

Color	Male Body	Female Body
Black	**HBL15MBBK**	**HBL15FBBK**
White	**HBL15MBW**	**HBL15FBW**
Green	**HBL15MBGN**	**HBL15FBGN**
Red	**HBL15MBR**	**HBL15FBR**
Blue	**HBL15MBBL**	**HBL15FBBL**

Replacement Contacts (25 Pack)

Description	Male Pin	Female Sleeve
Contact, 150 amp	**HBL15RCM**	**HBL15RCF**

Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBL15PK**
Replacement retaining screw (100 pack).	**HBL15RS**
Copper foil (100 pack).	**HBL15CF**
Brass wire (100 pack).	**HBL15BW**
Terminal screw - inline (100 pack).	**HBL15TS25**
Terminal screw - panel mount (100 pack).	**HBL15TS375**
Ferrule #2 AWG (100 pack).	**HBL15F2**
Ferrule #4 AWG (100 pack).	**HBL15F4**

HBL15PK

HBL15RS **HBL15CF** **HBL15BW**

HBL15TS25 **HBL15TS375** **HBL15F2** **HBL15F4**

Series 15 - 150 Ampere, 600V AC/250V DC

Specifications and Dimensions

Specifications

Electrical	
Voltage Ratings	600V AC Maximum. 250V DC Maximum.
Amperage Rating	150A Maximum.

Mechanical	
Terminal Accommodation	Plug: #8 to #2 AWG. Recept.: #8 to #2 AWG.
Product Identification	Ratings are a permanent part of device.
Base Compound	Plug: Thermoplastic Elastomer (TPE). Recept.: Polybutylene Terephthalate (PBT).
Contact Material	Brass.
Retaining Screw Material	Nylon.

Certification / Environmental
UL and cUL Listed.
UL Enclosure Types 3R, 4X, 12.
UL 1691 standard for single pole locking-type separable connectors.
National Electric Code (NEC), ANSI/NFPA 70.

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#8	80
#6	105
#4	140
#2	190

Note: •90°C column NEC Table 400.5(A)(2).

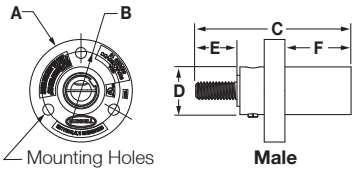
Dimensions

Panel Mount Receptacles

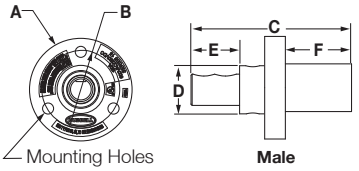
Threaded Stud	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.82" (71.6)	.86" (22.0)	.80" (20.4)	1.20" (30.5)	Through 3x Ø .20"	5/16-18 Threaded Stud
Female	1.86" (47.2)	1.37" (34.8)	2.88" (73.1)	.86" (22.0)	.80" (20.4)	1.26" (32.0)	Through 3x Ø .20"	5/16-18 Threaded Stud

Double Set Screw	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.90" (73.6)	.86" (22.0)	.88" (22.2)	1.20" (30.5)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws
Female	1.86" (47.2)	1.37" (34.8)	2.95" (74.9)	.86" (22.0)	.87" (22.2)	1.26" (32.0)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws

Series 15 Threaded Stud



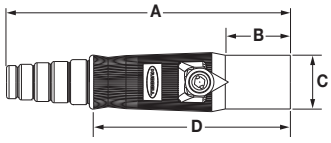
Series 15 Double Set Screw



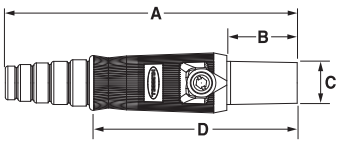
In Line Plugs

	A	B	C	D
Male	4.54" (115-.3)	1.04" (26.4)	.86" (21.8)	3.22" (81.7)
Female	4.60" (116.8)	1.11" (28.2)	.68" (17.3)	3.28" (83.2)

Series 15 Male In Line Plug



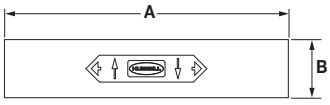
Series 15 Female In Line Plug



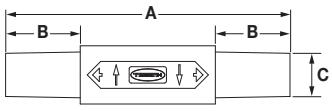
Gender Reversing Devices

	A	B	C
Double Male	4.22" (107.3)	.86" (21.8)	—
Double Female	4.22" (107.3)	1.05" (26.7)	.68" (17.3)

Series 15 Double Male



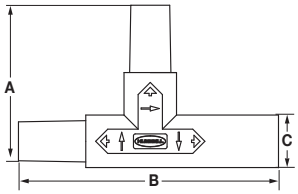
Series 15 Double Female



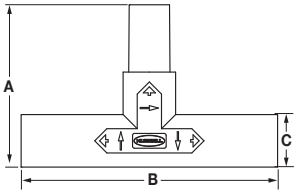
Tees

	A	B	C
Tapping Tee	2.67" (67.9)	4.28" (45.9)	.865" (21.9)
Paralleling Tee	2.67" (67.9)	4.22" (107.2)	.865" (21.9)

Series 15 Tapping Tee



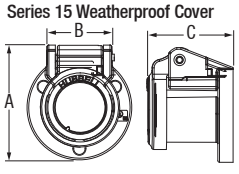
Series 15 Paralleling Tee



Weatherproof Cover

	A	B	C
Series 15	2.03" (51.5)	1.14" (29.0)	1.49" (37.9)

Series 15 Weatherproof Cover



Dimensions in Inches (mm)

Series 16 - 300 and 400 Ampere, 600V AC/250V DC

Plugs, Receptacles, Protective Caps, Snap Back Covers and Weather Protective Covers

Plugs

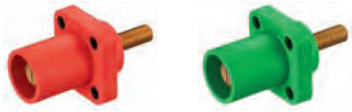
Description	Color	Male Plug	Female Plug
300 amp, thermoplastic elastomer, cable size #6 - 2/0 AWG.	Black	**HBL300MBK**	**HBL300FBK**
	White	**HBL300MW**	**HBL300FW**
	Green	**HBL300MGN**	**HBL300FGN**
	Red	**HBL300MR**	**HBL300FR**
	Blue	**HBL300MBL**	**HBL300FBL**
	Brown	**HBL300MBN**	**HBL300FBN**
	Orange	**HBL300MO**	**HBL300FO**
	Yellow	**HBL300MY**	**HBL300FY**

Description	Color	Male Plug	Female Plug
400 amp, thermoplastic elastomer, cable size 2/0 - 4/0 AWG.	Black	**HBL400MBK**	**HBL400FBK**
	White	**HBL400MW**	**HBL400FW**
	Green	**HBL400MGN**	**HBL400FGN**
	Red	**HBL400MR**	**HBL400FR**
	Blue	**HBL400MBL**	**HBL400FBL**
	Brown	**HBL400MBN**	**HBL400FBN**
	Orange	**HBL400MO**	**HBL400FO**
	Yellow	**HBL400MY**	**HBL400FY**

Receptacles, Female Stud Type

Description	Color	Through Hole Mounting	Threaded Mounting Holes
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp plugs.	Black	**HBLFRSBK**	**HBLFRSCBK**
	White	**HBLFRSW**	**HBLFRSCW**
	Green	**HBLFRSGN**	**HBLFRSCGN**
	Red	**HBLFRSR**	**HBLFRSCR**
	Blue	**HBLFRSBL**	**HBLFRSCBL**
	Brown	**HBLFRSBN**	**HBLFRSCBN**
	Orange	**HBLFRSO**	**HBLFRSCO**
	Yellow	**HBLFRSY**	**HBLFRSCY**

Receptacles, Male Stud Type



Description	Color	Through Hole Mounting	Threaded Mounting Holes
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp plugs.	Black	**HBLMRSBK**	**HBLMRSCBK**
	White	**HBLMRSW**	**HBLMRSCW**
	Green	**HBLMRSGN**	**HBLMRSCGN**
	Red	**HBLMRSR**	**HBLMRSCR**
	Blue	**HBLMRSBL**	**HBLMRSCBL**
	Brown	**HBLMRSBN**	**HBLMRSCBN**
	Orange	**HBLMRSO**	**HBLMRSCO**
	Yellow	**HBLMRSY**	**HBLMRSCY**

Receptacles, Double Set Screw

Description	Color	Female Receptacles	Male Receptacles
400 amp Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp plugs.	Black	**HBLFRBK**	**HBLMRBK**
	White	**HBLFRW**	**HBLMRW**
	Green	**HBLFRGN**	**HBLMRGN**
	Red	**HBLFRR**	**HBLMRR**
	Blue	**HBLFRBL**	**HBLMRBL**
	Brown	**HBLFRBN**	**HBLMRBN**
	Orange	**HBLFRO**	**HBLMRO**
	Yellow	**HBLFRY**	**HBLMRY**

Receptacles, Bus Bar Mount

Description	Color	Female Receptacles	Male Receptacles
400 amp Mount, thermoplastic elastomer, mates with 300 and 400 amp plugs.	Black	**HBLFRBBK**	**HBLMRBBK**
	White	**HBLFRBW**	**HBLMRBW**
	Green	**HBLFRBGN**	**HBLMRBGN**
	Red	**HBLFRBR**	**HBLMRBR**
	Blue	**HBLFRBBL**	**HBLMRBBL**
	Brown	**HBLFRBBN**	**HBLMRBBN**
	Orange	**HBLFRBO**	**HBLMRBO**
	Yellow	**HBLFRBY**	**HBLMRBY**

Protective Caps

Color	Fits Male Devices	Fits Female Devices
Black	**HBLMCAPBK**	**HBLFCAPBK**
White	**HBLMCAPW**	**HBLFCAPW**
Green	**HBLMCAPGN**	**HBLFCAPGN**
Red	**HBLMCAPR**	**HBLFCAPR**
Blue	**HBLMCAPBL**	**HBLFCAPBL**
Brown	**HBLMCAPBN**	**HBLFCAPBN**
Orange	**HBLMCAPO**	**HBLFCAPO**
Yellow	**HBLMCAPY**	**HBLFCAPY**

Snap Back Covers

Color	Through Hole Mounting	Threaded Mounting Holes
Black	**HBLSCBK***	**HBLSCCBK***
White	**HBLSCW***	**HBLSCCW***
Green	**HBLSCGN***	**HBLSCCGN***
Red	**HBLSCR***	**HBLSCCR***
Blue	**HBLSCBL***	**HBLSCCBL***
Brown	**HBLSCBN***	**HBLSCCBN***
Orange	**HBLSCO***	**HBLSCCO***
Yellow	**HBLSCY***	**HBLSCCY***

*Note: *3R only.*

Weather Protective Covers

Color	Catalog Number
Black	**HBLNCBK**
White	**HBLNCW**
Green	**HBLNCGN**
Red	**HBLNCR**
Blue	**HBLNCBL**
Brown	**HBLNCBN**
Orange	**HBLNCO**
Yellow	**HBLNCY**

Enclosure Types
3R, 4X, 12

Tees and 3-Fers

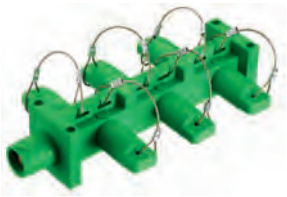
Color	Tapping Tee (Female-Female-Male)	Paralleling Tee (Female-Male-Male)	3-Fer (Male-Female-Female-Female)	3-Fer (Female-Male-Male-Male)	Soft 3-Fer (Male-Female-Female-Female)	Soft 3-Fer (Female-Male-Male-Male)
Black	**HBLTBK**	**HBLPTBK**	**HBLM3FBK**	**HBLF3MBK**	**HBLM3FSBK**	—
White	**HBLTW**	**HBLPTW**	**HBLM3FW**	**HBLF3MW**	—	—
Green	**HBLTGN**	**HBLPTGN**	**HBLM3FGN**	**HBLF3MGN**	—	**HBLF3MSGN**
Red	**HBLTR**	**HBLPTR**	**HBLM3FR**	**HBLF3MR**	—	—
Blue	**HBLTBL**	**HBLPTBL**	**HBLM3FBL**	**HBLF3MBL**	—	—
Brown	**HBLTBN**	**HBLPTBN**	**HBLM3FBN**	**HBLF3MBN**	—	—
Orange	**HBLTO**	**HBLPTO**	**HBLM3FO**	**HBLF3MO**	—	—
Yellow	**HBLTY**	**HBLPTY**	**HBLM3FY**	**HBLF3MY**	—	—

Gender Reversing Devices

Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBLDMBK**	**HBLDFBK**
White	**HBLDMW**	**HBLDFW**
Green	**HBLDMGN**	**HBLDFGN**
Red	**HBLDMR**	**HBLDFR**
Blue	**HBLDMBL**	**HBLDFBL**
Brown	**HBLDMBN**	**HBLDFBN**
Orange	**HBLDMO**	**HBLDFO**
Yellow	**HBLDMY**	**HBLDFY**

Distribution Block (1-Male, 6-Females)

Color	Catalog Number
Black	**HBL7DBBK**
White	**HBL7DBW**
Green	**HBL7DBGN**
Red	**HBL7DBR**
Blue	**HBL7DBBL**
Brown	**HBL7DBBN**
Orange	**HBL7DBO**
Yellow	**HBL7DBY**



Replacement Bodies (100 Pack)

Color	Male Body	Female Body
Black	**HBLMBBK**	**HBLFBBK**
White	**HBLMBW**	**HBLFBW**
Green	**HBLMBGN**	**HBLFBGN**
Red	**HBLMBR**	**HBLFBR**
Blue	**HBLMBBL**	**HBLFBBL**
Brown	**HBLMBBN**	**HBLFBBN**
Orange	**HBLMBO**	**HBLFBO**
Yellow	**HBLMBY**	**HBLFBY**

Replacement Contacts (20 Pack)

Description	Male Pin	Female Sleeve
Contact, 300 amp	**HBL300RCM**	**HBL300RCF**
Contact, 400 amp	**HBL400RCM**	**HBL400RCF**

Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire	**HBLPK**
Replacement retaining screw (500 pack)	**HBLRS**
Copper foil (500 pack)	**HBLCF**
Brass wire (500 pack)	**HBLBW**
Terminal screw - panel mount (500 pack)	**HBLTS**
Terminal screw - inline (500 pack)	**HBLTSR**

HBLPK

Series 16 - 300 and 400 Ampere, 600V AC/250V DC

Specifications and Dimensions

Specifications

Electrical	
Voltage Ratings	600V AC Maximum. 250V DC Maximum.
Amperage Rating	400A Maximum.

Mechanical	
Terminal Accommodation	Plug– 300A – #6 to 2/0 AWG. Plug– 400A – 2/0 to 4/0 AWG. Recept.– 400A – #4 to 4/0 AWG.
Product Identification	Ratings are a permanent part of device.
Base Compound	Thermoplastic Elastomer (TPE).
Contact Material	Brass.
Retaining Screw Material	Nylon.

Certification / Environmental

UL and cUL Listed.
UL Enclosure Types 3R, 4X, 12.
Flammability: HB per UL94 or CSA 22.2. 0.17.
UL 498 for attachment plugs and receptacles.
UL 1691 draft standard for single pin and sleeve devices intended for theatre, stage and studio applications (Series 16 pending).
National Electric Code (NEC), ANSI/NFPA 70.

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#4	140
#2	190
2/0	300
4/0	405

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

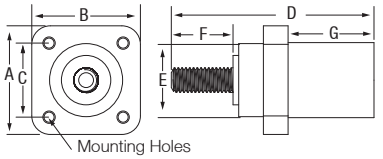
Panel Mount Receptacles

Threaded Stud	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female w/ through hole mounting	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (47.4)	1.25" (31.7)	1.74" (44.2)	Through 4x Ø .20"	1/2-13 UNC-2A Threaded Stud
Male & Female w/ threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.67" (93.2)	1.48" (47.4)	1.11" (28.2)	1.55" (39.4)	Threaded 4x #10-32	1/2-13 UNC-2A Threaded Stud

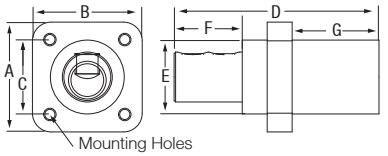
Double Set Screw	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female w/ threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (47.4)	1.36 (34.5)	1.74" (44.2)	Threaded 4x #10-32	(2) 7/32 Socket Head Set Screws

Busbar Type	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female w/ threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.57" (90.7)	1.48" (37.6)	1.01" (25.7)	1.55" (39.4)	Threaded 4x #10-32	(1) 5/16-18 UNC-2B Threaded Hole

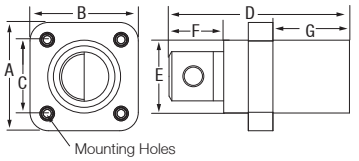
Series 16 Threaded Stud



Series 16 Double Set Scew



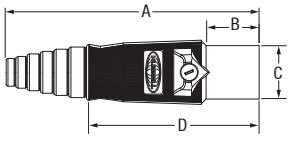
Series 16 Busbar Type



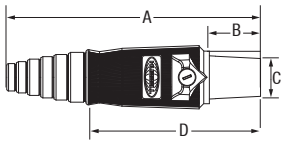
In Line Plugs

	A	B	C	D
Male	7.01" (178.0)	1.38" (35.1)	1.48" (37.6)	4.78" (121.4)
Female	7.10" (180.5)	1.44" (36.6)	1.06" (27.0)	4.90" (121.3)

Series 16 Inline Plug Male



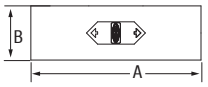
Series 16 Inline Plug Female



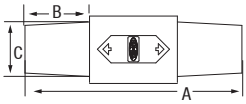
Gender Reversing Devices

	A	B	C
Double Male	4.65" (118.1)	1.48" (37.6)	—
Double Female	4.84" (122.9)	1.44" (36.6)	1.06" (27.0)

Series 16 Double Male



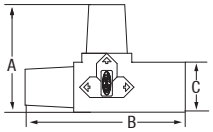
Series 16 Double Female



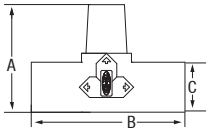
Tees and 3-Fers

	A	B	C
Tapping Tee	3.18" (80.8)	4.74" (120.4)	1.48" (37.6)
Paralleling Tee	3.18" (80.8)	4.65" (118.1)	1.48" (37.6)
3-Fer	5.88" (149.3)	5.78" (146.9)	1.48" (37.6)

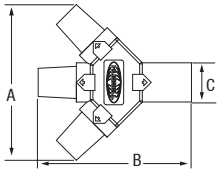
Series 16 Tapping Tee



Series 16 Paralleling Tee



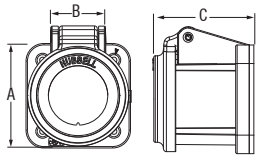
Series 16 3-FER



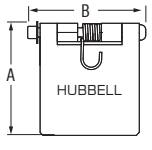
Covers

	A	B	C
Weatherproof Cover	2.20" (55.88)	1.16" (29.44)	2.03" (51.5)
Snap Back Cover to be used with receptacles	2.26" (57.4)	2.37" (60.2)	—

Series 16 Weatherproof Cover



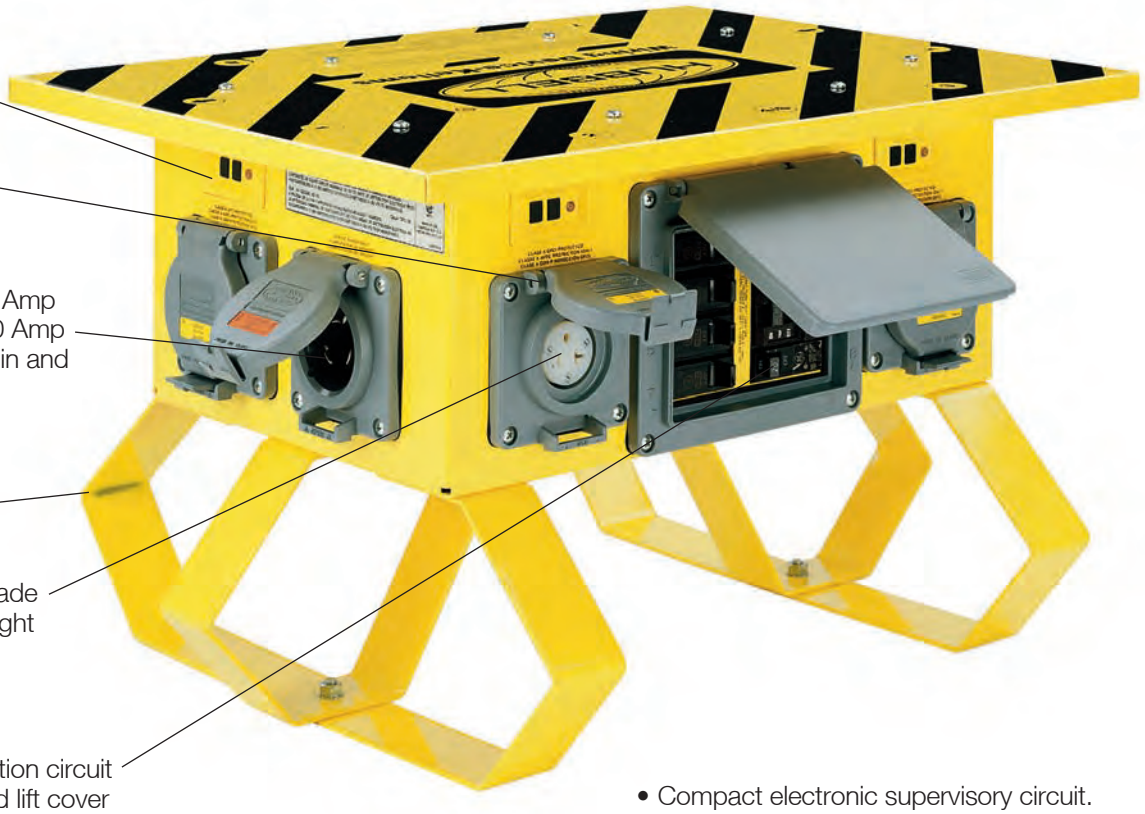
Series 16 Snap Back Cover



Dimensions in Inches (mm)

Spider® II Temporary Power Boxes

Features and Benefits



SBSB1A

- Compact electronic supervisory circuit.
- Detailed wiring diagram.
- TYPE 3R metallic enclosure and heavy duty, abuse resistant legs.

Hubbell's Spider® II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of Line and Innovation

Hubbell manufactures a variety of Spider II Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's Spider products incorporate the most innovative wiring devices in the Hubbell Safety Shroud Twist–Lock® system. The shrouded Twist-Lock design extends the life of the plug by protecting the blades from abuse and, more importantly, the shroud protects the user from arcing. The Spider II temporary power system incorporates Watertight Safety Shroud Twist-Lock receptacles to provide a UL Type 4X rating when the receptacles are used with Watertight Safety Shroud Twist-Lock plugs. Standard Twist-Lock and Safety Shroud Twist-Lock plugs may be used with these receptacles when water ingress during use is not a concern. To ensure an overall 3R rating when all receptacles are in use, Hubbell has also designed a weatherproof boot. This weatherproof boot for straight blade plugs maintains a 3R rating when it is used with the Spider II straight blade receptacles.

Environmental Protection

All Pin and Sleeve, Twist-Lock and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid. Hubbell has taken multiple steps to ensure that the Spider II boxes can withstand today's harsh environmental requirements and as a result, the Spider II boxes have earned a 3R enclosure rating for outdoor rainproof applications. In addition to the added safety and water resistant features, Hubbell makes the boxes user friendly by offering a full line of replacement parts for field repairability.

Certifications

Hubbell's Spider II Boxes meet NEC requirements for personal protection against electrical shock on job sites and are listed to the latest UL 1640 standard for Portable Power Distribution Equipment.

Spider® II Temporary Power Boxes

Ordering Information

50A Spider® II

60A Spider® II

60A Class "L" Spider® II

Spider® II Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection		Catalog Number
					Overload	GFI	
30A, 120/240V AC (Maximum)	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	**SDSB1A**
	Twist-Lock® (inlet)	1	30A, 120/240V	HBL2715SWR	No	No	
	Twist-Lock® (outlet)	1	30A, 120/240V	HBL2710	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	**SBSB1A**
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	**SBSB2**
	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Twist-Lock®	7	20A, 125V	HBL2310SW	Yes	Yes	**SBTL1A**
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	**SBTL2**
	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
60A, 3Ø 120/208V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	**SCSB0***
	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	**SCTL0***
	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	

Class "L" Spider® II Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection		Catalog Number
					Overload	GFI	
60A, 3Ø 120/208V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes**	**SCSB0M2**
	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes**	**SCTL0M2**
	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	

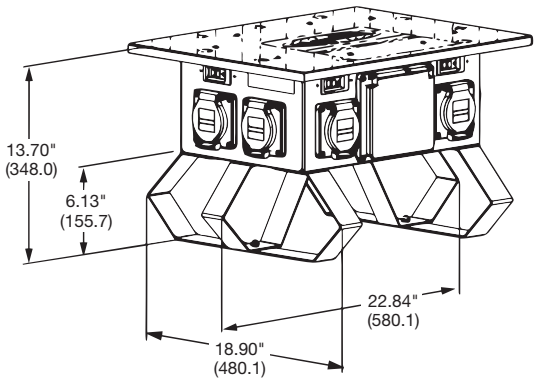
*Note: *60A units are UL and cUL only.*
***GFCI protection on 4 devices only.*

Specifications

Spider® II

Listing/Certification	UL 1640 cUL and CSA, UL 943.
Environment	Indoor and outdoor wet and dry locations.
Enclosure Type	3R, rainproof, suitable for use in damp locations.
Code Compliance	NEC®, ANSI/NFPA 70.

Dimensions



Dimensions in Inches (mm)

Cable Sets and Receptacles, Replacement Parts

Cable Sets and Receptacles

Description	Catalog Number
50A pre-wired wall mounted receptacle, with 2 ft. wire leads.	**SR50**
50A cord set - 50 ft. cable (input/output).	**SCB50**
50A cord set - 100 ft. cable (input/output).	**SCB100**
60A cord set - 6 ft. cable (input/output).	**SCC06**
60A cord set - 50 ft. cable (input/output).	**SCC50**
60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle.	**HBL560R9W**
1¼" hub 15 deg. non-metallic angle back box for 60A receptacle.	**BB601W**
1½" hub 15 deg. metallic 4-way angle back box for 60A receptacle.	**FW60100**

Note: Consult factory for alternate cable lengths.

SR50

SCB50

Replacement Parts

Description	Catalog Number
20A, 125V straight blade receptacle.	**HBL53R61**
20A, 125V Safety-Shroud Twist-Lock® receptacle.	**HBL2310SW**
30A, 250V Safety-Shroud Twist-Lock® receptacle.	**HBL2620SW**
30A, Reverse Service Safety-Shroud connector.	**HBL2713SR**
30A, Reverse Service inlet.	**HBL2715SWR**
50A, 125/250V Twist-Lock® receptacle.	**CS6369**
50A, 125/250V Twist-Lock® inlet.	**HBL6375S**
60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet).	**HBL560B9R**
60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet).	**HBL560R9W**
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	**HBL560P9WR**
60A, 3Ø 120/208V Pin and Sleeve plug (male).	**HBL560P9W**
GFCI module.	**GFM20**
50A Spider supervisory kit.	**SSK**
60A Spider supervisory kit.	**SSK60**
Spider circuit breaker cover.	**SCBC**
Spider leg kit.	**SLK**
Spider leg kit, green.	**SLKG**
50A receptacle cover plate.	**HBL77CM74WO**

HBL2310SW

HBL2713SR

SCBC

HBL77CM74WO

GFM20

SSK

Temporary Power Distribution Boxes and Power Cables

Ordering Information

TPDL – Twist-Lock®
TPDS – Straight Blade

TPC50 – 50' Cable
TPC100 – 100' Cable

Temporary Power Distribution Boxes

Rating	Type	Qty	Receptacle Rating	Protection: Overload	Protection: GFI	Catalog Number
50A, 120/240V AC (Maximum)	Twist-Lock®	6	20A, 125V	Yes	Yes	**TPDL**
	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	6	20A, 125V	Yes	Yes	**TPDS**
	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	

Temporary Power Cables

Rating	CableType	Length	Male Device	Female Device	Weatherproof Boot	Catalog Number
50A, 125/250V	6/3, 8/1	50 ft.	CS6365L	CS6364L	No	**TPC50**
50A, 125/250V	6/3, 8/1	100 ft.	CS6365L	CS6364L	No	**TPC100**

Specifications

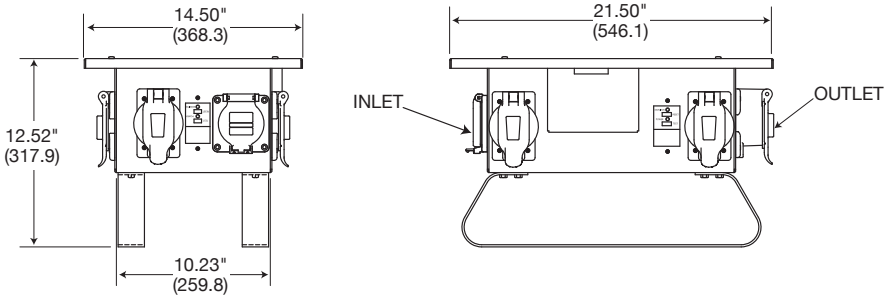
Boxes

Listings/Certifications	UL 1640, UL 943
Operation	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC, ANSI/NFPA 70

Cables

Listings/Certifications	Connectors: UL/CSA; Cable: MSHA
Operation	Indoor and outdoor wet and dry locations

Dimensions



Dimensions in Inches (mm)

Heavy-Duty Portable Outlet Boxes and Plates

Heavy-Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	**HBLPOB1**
Box with cord strain relief, with one blank cover plate, black.	**HBLPOB1BK**
Box with cord strain relief, with two duplex (indoor) cover plates.	**HBLPOB1D**
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	**HBLPOB1DY**
Blank, non-metallic FS cover plate with foam gasket, gray.	**HBLP14FS**
Duplex, non-metallic FS cover plate, gray.	**HBLP8FS**
Duplex, non-metallic FS cover plate, yellow.	**HBLP8FSY**
Single receptacle (1.39"), non-metallic FS cover plate, gray.	**HBLP7FS**
Single receptacle (1.56"), non-metallic FS cover plate, gray.	**HBLP720FS**
Rectangular opening, non-metallic FS cover plate, gray.	**HBLP26FS**

HBLPOB1

Other Cover Plates and Devices
which may be used with Heavy-Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	**HBL5221, HBL52CM21**
Single receptacle (1.39") cover plate, weatherproof.	**HBL7423WO, HBL74CM23WO**
Single receptacle (1.56") cover plate, weatherproof.	**HBL7425WOA, HBL74CM25WOA**
Safety-Shroud Twist-Lock® surface receptacles.	**HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR**

Note: Standard product gray, CM yellow.

Cover Plates

Deluxe Cord Grips Straight Male Thread
Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches	(cm)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(.95-1.27)	¾"	F3	**074011335**
.500"-.625"	(1.27-1.59)	¾"	F3	**074011336**
.625"-.750"	(1.59-1.90)	¾"	F3	**074011337**

Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches	(cm)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(.95-1.27)	¾"	F3	**SHC1035CR**
.500"-.625"	(1.27-1.59)	¾"	F3	**SHC1036CR**
.625"-.750"	(1.59-1.90)	¾"	F3	**SHC1037CR**

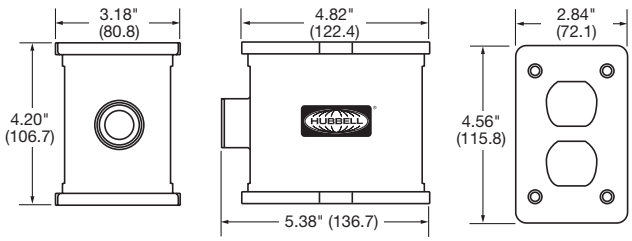
Deluxe Cord Grips (purchased separately)

Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

UL Listed CSA Certified	UL 514C, UL467 and UL50 Enclosures Types 1, 3R. C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).
Box Specifications:	
Moisture Resistance	Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates.
Flammability	UL 94V-0, 94-5VA classification.
Operating Temperature	80°C maximum; -35°C minimum.
UV Resistance	All materials are UV stabilized.
Impact and Crush Resistance	in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94.
Material	Valox®.
Cord Connector Materials	Nylon nut; Nylon Gotcha® ring; Neoprene grommet.
Cord Diameter Range	.38" to .75" diameter.
Bonding Strap Material	Brass.
Threaded Inserts	Brass.
Grounding Screw Material	Brass.
Indoor Cover Plate Screws Material	Zinc Plated Steel.
Outdoor Cover Plate Screws Material	Stainless Steel.
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant).

Gray Nylon Cord Connector

Dimensions



HBLPOB1

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Pre-Wired Portable Outlet Boxes, Worklights and Accessories

SPB1

SPB2

TW25F1

TW25F2

TWLV20F

TWBP

TWH

Pre-Wired Portable Outlet Boxes

Description	Catalog Number
25 ft. with 2-15A, 125V, straight blade single receptacles and 1- 15A, 125V straight blade plug and boot.	**SPB1**
25 ft. with 2-20A, 125V, Twist-Lock® single receptacles and 1-20A, 125V Twist-Lock plug and boot.	**SPB2**

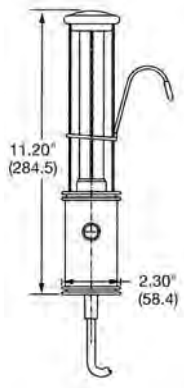
Worklights and Accessories

Description	Catalog Number
Temporary worklight with 15A, 125V straight blade plug, 25 ft. cord.	**TW25F1**
Temporary worklight with 20A, 125V Twist-Lock® plug, 25 ft. cord.	**TW25F2**
Temporary low voltage worklight with cigarette lighter plug, 20 ft. cord.	**TWLV20F**
Portable battery pack and charger for TWLV20F worklight.	**TWBP**
Non-metallic temporary worklight hook.	**TWH**

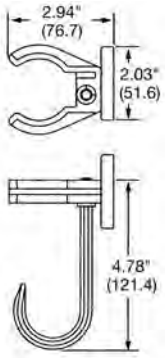
Specifications

Temporary Worklights	
Listing/Certification	UL298 and cUL Portable Electric Hand Lamps.
Environment	Dry, indoor locations.
Fluorescent Lamp	13 watt twin tube only.
Battery Pack and Charger	
Environment	Indoor and outdoor dry locations.
Fluorescent Lamp Life	Fully charged-5 hour approx.
Charge Time	Fully charged-16 hours approx.
Battery Rating	12 volt.

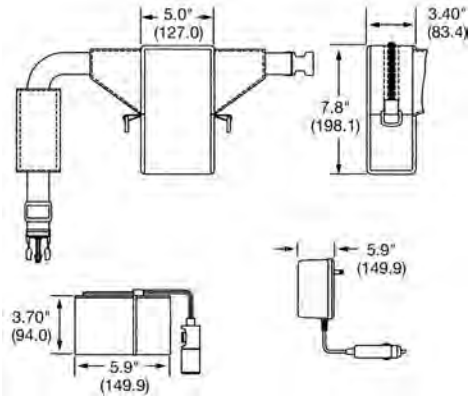
Light Fixture



Worklight Hook



Battery Pack and Charger



Dimensions in Inches (mm)

Industrial Connectivity and Control Products

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LINKOSITY®
Power Components

Control Connectors Mini-,
Micro-, Nano- & Signal-Quick®

DRUB and PANEL-SAFE®

HI-Impact and CableTrak®

Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
 PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)*	**20** = 20A up to 600V	**02** **03** **04** **05**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue***	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only)	**03** **04** **05** **06**		
	30 = 30A up to 600V	**04**		
Example: PH	***23***	***06***	***PB***	***005***

*Note: *½" NPT rear thread.*
***Other color codes available upon request.*
****Two wire only.*

Configurations (Male face view shown, female view is opposite)

20 AMP	
20A SNIG (with super neutral and IG)	
30 AMP	

Tees

TX2304002304T00

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Closure Caps

CCMBC

Description	For use with Female Receptacle	Male Inlet
20A and 30A Receptacle Closure Cap	**CCMBC**	**CCFBC**

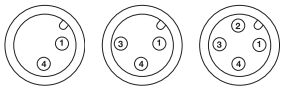
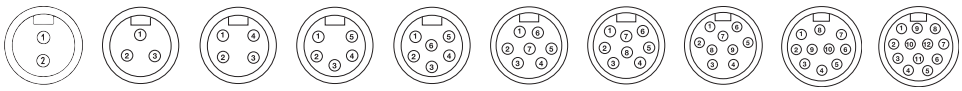
Control Integration Components - 3A Up To 300V, 10A Up To 600V

Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
 PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)*	**03** = 3A - 2W, 3W 3A - 4W up to 300V	**02** **03** **04**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue***	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	R3 = 3A - 2W, 3W 3A - 4W up to 300V	**02** **03** **04**		
	10 = 10A - 2W, 3W 10A - 4W 10A - 5W, 6W, 7W 10A - 8W, 9W 7A - 10W, 12W up to 600V	**02** **03** **04** **05** **06** **07** **08** **09** **10** **12**		
Example: PH	***10***	***06***	***PB***	***005***

*Note: *½" NPT rear thread.*
***Other color codes available upon request.*
****Two wire only.*

Configurations (Male face view shown, female view is opposite)

03		Typically used for inputs in DC control circuits
R3		Typically used for outputs in DC control circuits
10		

Splitters/Tees

Description	Catalog Number
LINKOSITY® M/F/F Splitter, 3A/4W	**TX0304000304T00**
LINKOSITY® M/F/F Tee, 10A, 2 Pole	**TX1002001002T00**
LINKOSITY® M/F/F Tee, 10A, 3 Pole	**TX1003001003T00**
LINKOSITY® M/F/F Tee, 10A, 4 Pole	**TX1004001004T00**
LINKOSITY® M/F/F Tee, 10A, 5 Pole	**TX1005001005T00**
LINKOSITY® M/F/F Tee, 10A, 6 Pole	**TX1006001006T00**

TX1004001004T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
3A Closure Cap	**CCM1C**	**CCF1C**
10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole	**CCMAC**	**CCFAC**
10A Closure Cap, 7 and 8 Pole	**CCMBC**	**CCFBC**
10A Closure Cap, 9, 10, 12 Pole	**CCMCC**	**CCFCC**

CCFAC

Power System Distribution Assemblies

Note: Accepts PH2304 series cables.

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	**1** **2** **3** **4** **5**	**SG** = Spec Grade **HG** = Hospital Grade **CR** = Corrosion Resistant	**IG** = Isolated Ground **GF** = Ground Fault **SS** = Surge Suppression **00** = Standard	**P** = Pass-thru** **0** = No Pass-thru	**D** = 2 Circuit **A** = A Phase **B** = B Phase **C** = C Phase
Example: M	**SL**	**1**	**SG**	**00**	**P**	

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	**1** **2** **3** **4** **5**	**L1** = 15A **L2** = 20A	**IG** = Isolated Ground **00** = Standard	**P** = Pass-thru **0** = No Pass-thru	**6** = 250v
Example: M	**00**	**3**	**L1**	**IG**	**0**	

Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles. Consult factory for alternate wiring schemes.
**Consult factory for wiring specifications and connecting cables.*
***Pass-thru on phase tap boxes are 3Ø.*

Switch Only (On/Off) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
S	**1** = 1 Gang **2** = 2 Gang **3** = 3 Gang	**2W** = On/Off	**1P** = Single Pole **DP** = Two Pole
Example: S	**1**	**2W**	**1P**

Switch Only (4-Way) - UL Type 1

Device Type	Switch Types	Switch Style
S	**1** = 1 Gang	**4W** = 4 Way
Example: S	**1**	**4W**

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
S	**1** = 1 Gang	**3W** = 3 Way	**M** = Main **R** = Remote **LM** = Line to Main **LR** = Load to Remote
Example: S	**1**	**3W**	**M**

Note: For use with Px2304PBxxx series cables.

Features

Receptacle Types		CR	HG	SG	L1
00	Standard	**HBL53CM62**	**HBL8300GY**	**5362G**	**HBL4700**
IG	Isolated Ground	**—**	**—**	**CR5352IGGY**	**IG4700A**
GF	Ground Fault	**—**	**GFR8300HGYTR**	**GF20GYLA**	**—**
SS	Surge Suppression	**—**	**HBL8362GYSA**	**HBL5362GYSA**	**—**
Switch Types		CR	HG	SG	L1
SL	Local On/Off	**—**	**—**	**HBL1221PL**	**—**
SM	Master On/Off	**—**	**—**	**HBL1221PL**	**—**

LINKOSITY® Feed - UL Type 3R Rated*

3R Rated Standard Items

Description	Catalog Number
20A 125V Ground Fault	**M3R002SGGF0**
20A 125V Switched, Spec Grade	**M3RSL1SG000**
20A 125V Switched, Ground Fault	**M3RSL1SGGF0**
20A 125V Spec Grade	**M3R002SG000**
20A 125V Ground Fault, Pass-Thru	**M3R002SGGFP**
20A 125V Switched, Spec Grade, Pass-Thru	**M3RSL1SG00P**
20A 125V Switched, Ground Fault Pass-Thru	**M3RSL1SGGFP**
Spec Grade, Pass-Thru	**M3R002SG00P**

*Note: *When cover closed.*
Accepts PH2304 series cables.

Device Type	Style	Type	No. of Devices	Device Type	Device Feature	Pass-Thru
M	**3R** - 3R Lids **3D** - 3R Deep Cover	**SL** - Switch Local **SM** - Switch Master **00** - None	**1** **2**	**SG** - Spec Grade **HG** - Hospital Grade **CR** - Corrosion Resistant **L1** - 15A Locking	**IG** - Isolated Ground **GF** - Ground Fault **SI** - Surge/IG **SS** - Surge **00** - Standard	**P** - Pass-Thru **0** - No Pass-Thru

LINKOSITY® Feed - UL Type 4X Rated*

4X Rated NEMA Standard Items

Description	Catalog Number
20A 125V Straight Blade	**MLWF2010**
20A 125V WTSSTL	**MLWF2020**
20A 125V Straight Blade, Pass-Thru	**MLWF201P**
20A 125V WTSSTL, Pass-Thru	**MLWF202P**

*Note: *Watertight Safety-Shroud® Twist-Lock® Plug required when in use.*
***Straight Blade are UL Type 4X when not in use only.*
WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.
Accepts PH2304 series cables.

Device Type	Style	Type	No. of Devices	Device Type	Pass-Thru
M	**L** - LINKOSITY	**WF** - Watertight Safety-Shroud Receptacle **WM** - Watertight Safety-Shroud Inlet	**2**	**01** - 20A 125V Straight Blade** **02** - 20A 125V Twist-Lock **03** - 20A 250V Twist-Lock **04** - 20A 277V Twist-Lock **05** - 30A 125V Twist-Lock **06** - 30A 250V Twist-Lock **07** - 20A 125/250V Twist-Lock **08** - 20A 3Ø 250V Twist-Lock **09** - 20A 3Ø 480V Twist-Lock **10** - 30A125/250V Twist-Lock **11** - 30A 3Ø 250V Twist-Lock **12** - 30A 3Ø 480V Twist-Lock **13** - 30A 3Ø 600V Twist-Lock	**P** - Pass-Thru **0** - No Pass-Thru

All LINKOSITY® - UL Type 4X Rated*

4X Rated LINKOSITY Standard Items

Description	Catalog Number
20A 3W up to 600V, 4 Port	**M4L2003PB0**
20A 3W up to 600V, 4 Port Pass-Thru	**M4L2003PBP**

*Note: *Closure Cap required when not in use.*
Accepts PH2304 series cables.

Device Type	Style	Type	No. of Poles	Conductor Colors	Pass - Thru
M	**4L** - LINKOSITY	**20** - 20A **23** - 20A Super Neutral Isolated Ground **30** - 30A	**02** **03** **04** **05** **06**	**PA** - Green/Yellow Black (all others) **PB** - Green/Yellow White Black (all others)	**P** - Pass-Thru **0** - No Pass-Thru

Conduit Feed - UL Type 4X Rated*

Conduit Feed Standard Items

Description	Catalog Number
20A 125V Straight Blade	**MCWF2010**
20A 125V WTSSTL	**MCWF2020**
20A 250V WTSSTL	**MCWF2030**
20A 277V WTSSTL	**MCWF2040**
30A 125V WTSSTL	**MCWF2050**
30A 250V WTSSTL	**MCWF2060**
20A 125/250V WTSSTL	**MCWF2070**
20A 3Ø, 250V WTSSTL	**MCWF2080**
20A 3Ø, 480V WTSSTL	**MCWF2090**
30A 125/250V WTSSTL	**MCWF2100**
30A 3Ø 250V WTSSTL	**MCWF2110**
30A 3Ø 480V WTSSTL	**MCWF2120**
30A 3Ø 600V WTSSTL	**MCWF2130**

*Note: *Watertight Safety-Shroud® Twist-Lock® Plug required when in use.*
WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.

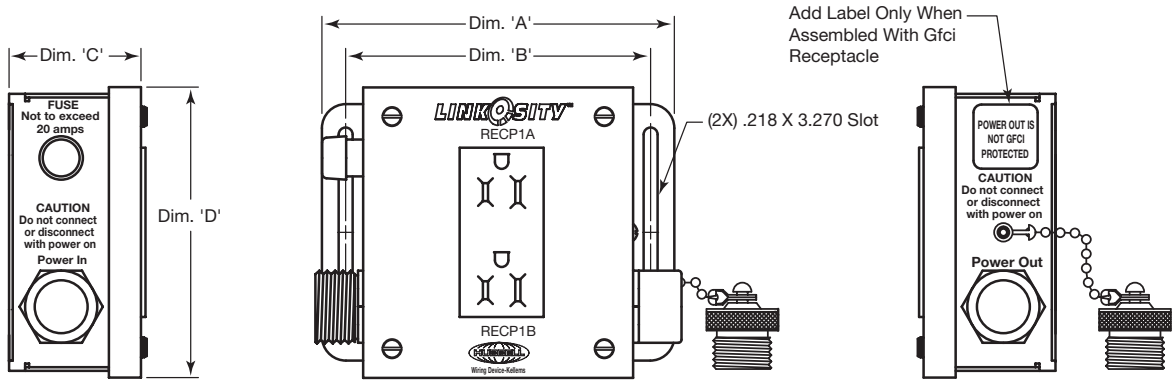
Device Type	Style	Type	No. of Devices	NEMA Device Type	Pass-Thru
M	**C** - Conduit Feed	**WF** - Watertight Safety-Shroud Receptacles **WM** - Watertight Safety-Shroud Inlet	**2**	**01** - 20A 125V Straight Blade **02** - 20A 125V Twist-Lock **03** - 20A 250V Twist-Lock **04** - 20A 277V Twist-Lock **05** - 30A 125V Twist-Lock **06** - 30A 250V Twist-Lock **07** - 20A 125/250V Twist-Lock **08** - 20A 3Ø 250V Twist-Lock **09** - 20A 3Ø 480V Twist-Lock **10** - 30A125/250V Twist-Lock **11** - 30A 3Ø 250V Twist-Lock **12** - 30A 3Ø 480V Twist-Lock **13** - 30A 3Ø 600V Twist-Lock	**0** - No Pass-Thru

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1**Δ

Note: Δ Package of 10 mounting feet and 10 screws.

HBLRFT1



Catalog Number M001****P Shown

Catalog Number	Gangs	Dimension 'A'	Dimension 'B'	Dimension 'C'	Dimension 'D'
M001**P**	1	5.50 (139.7)	4.75 (120.7)	2.25 (57.2)	4.53 (115.1)
M002**P**	2	7.50 (190.5)	6.75 (171.5)	2.25 (57.2)	4.53 (115.1)
M003**P**	3	9.50 (241.3)	8.75 (222.3)	2.25 (57.2)	4.53 (115.1)
M004**P**	4	11.50 (292.1)	10.75 (273.1)	2.25 (57.2)	4.53 (115.1)
M005**P**	5	13.50 (342.9)	12.75 (323.9)	2.25 (57.2)	4.53 (115.1)

LINKOSITY® Specifications

Certifications	
System Level	ETL Classified to NEC
Component Assemblies (PSDA)	UL Listed
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to #22 AWG)	UL 300V Type ITC/PLTC 105°C
Cable (#16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C

Cable Diameter

Amps	Wires	O.D.
20	3	.595 (15.1)
20	4	.645 (16.4)
20	5	.710 (18.0)
20	6	.760 (19.3)
30	4	.710 (18.0)

Performance

Electrical	
Voltage	Up to 600V
Amperage	Up to 30A

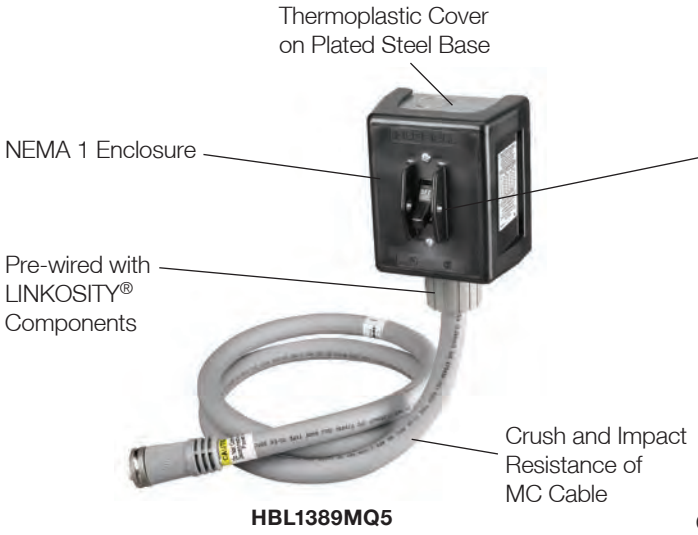
Environmental

Connectivity System Components	
Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Flammability	UL94HB Cables/UL94V-0 receptacles

Power System Distribution Assemblies	
Moisture Resistance	NEMA Type 1, Type 3R, Type 4X

Dimensions in Inches (mm)

Disconnect Switches



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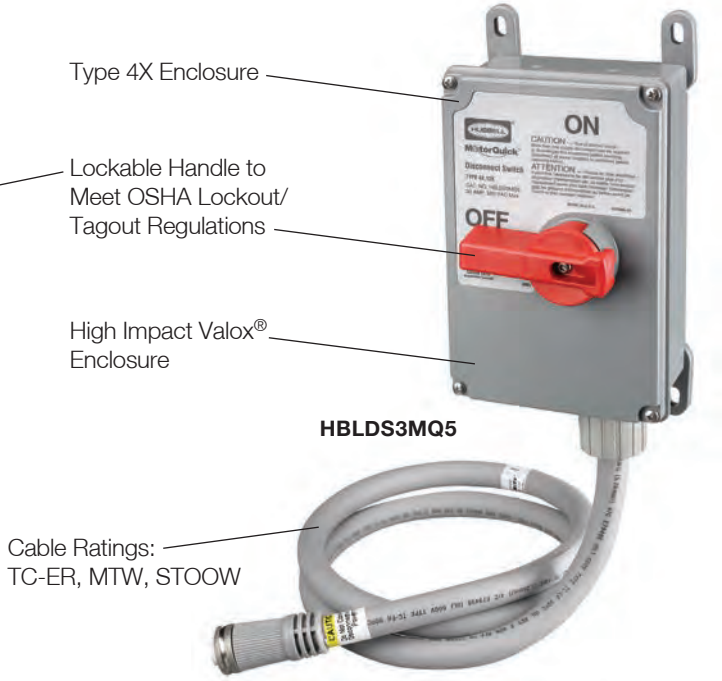


HBLDS3MQ5

Quick Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**
Type 4X Non-Metallic Enclosure 30A 3 Pole 600V AC	
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**
Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSMQR2**

HBL1389MQR2

HBL1389MQ5

HBLDS3MQR

HBLDS3MQ5

PH2030C

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*

Sample Set Up

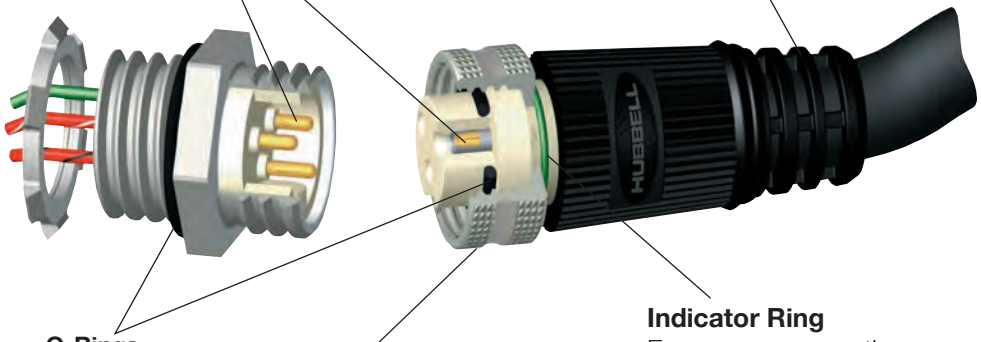
(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****

*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Hard Gold Over Palladium Nickel Contact Plating
Superior conductivity, extended contact life

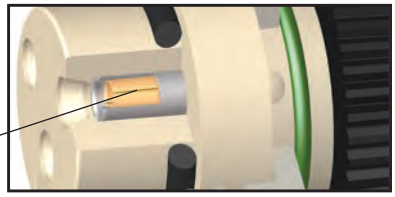
Gated Strain Relief with Graduated Window Sizes
Improved flexibility and strength protects wire terminations; superior arc of bend control



O-Rings
Moisture protection

Indicator Ring
Ensures proper mating

Anti-Vibration Coupling Nut
Prevents coupling nut from loosening under harsh vibration conditions



Leaded Nickel Copper Sleeved Contact
Extended contact life and continuity

Features

- Nickel plated brass coupling nuts and receptacle shells.
- Black overmold and cable.
- Insulgrip connector body design.
- UL Listed cable assemblies and receptacles.
- Plating resists corrosion in high abuse environments.

Benefits

- Cable assembly resists dirt and blends with environment giving a clean look to the installation.
- Ergonomic connector body has an industrial look.
- Third party certified for electrical, mechanical and environmental performance.

Material Specifications

Insulator Materials	Nylon 6/6, White
Contact Materials	Pins - Brass, Sockets Leaded nickel copper w/ stainless steel sleeve
Contact Plating	Hard gold over palladium/nickel
Overmold Material	Polyurethane, Black
Coupling Nut, Metallic	Nickel plated brass
Coupling Nut, Nylon	Nylon 6/6, Black
Receptacle Shell	Nickel plated brass, SST consult factory
Receptacle Shell, Nylon	Nylon 6/6, Black
Receptacle Shell, Right Angle	Nickel plated zinc alloy die cast, SST consult factory
Cable	#16 AWG SEOOW - TPE jacket, Black, PVC conductor insulation, Stranding - 65/34 #18 AWG SEOOW - TPE jacket, Black, PVC conductor insulation, Stranding - 41/34 #18 AWM2661 - PVC jacket, Black, PVC conductor insulation, Stranding - 41/34
Strain Relief	#16 AWG and #18 AWG - 30 pounds min per UL2238

Electrical Specifications

Voltage Rating	600V DC/600V AC
Amperage	#16 AWG - 2&3P=15A, 4P=12A, 5&6P=10A 7P=10A, 8&9P=9A, 10&12P=8A #18 AWG - 2&3P=11A, 4P=8A, 5&6P=7A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Operating Temperature	AWM2661 cables: -20°C to 105° C SEOOW cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD-1344, Method 2005

Certifications

UL 2238 and UL50E, File No. E192071

CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94.2-07

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

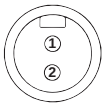
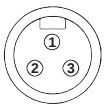
For example, catalog number **HCMA05212** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (ft)
HC = Plug, Female **HP** = Plug, Male **HI** = Plug, Male Inline◆ **HE** = Male/Female Extension Cable◆ **HJ** = Male/Female Jumper Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**02** **03** **04** **05** **06**	**1** = #16 AWG SEOOW Cable **3** = #18 AWM2661 IEC Cable* **4** = #18 AWG SEOOW Cable **3 - 5 Pole Only*	****** **03** **06** **12** **20** ***Replace with Length*
↓ **HC**	↓ **M**	↓ **A**	↓ **05**	↓ **2**	↓ **12**

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.
◆Available with metallic coupling nut only.

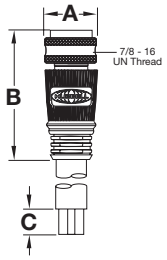
2 - 6 Pole Plugs

Catalog numbers using #16 AWG SEOOW cable are listed below. For #18 AWG SEOOW or #18 AWM2661 IEC cable, change the conductor type per the Hubbell Logic chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs		Male/Female JumperCables
			Straight	Right Angle	Straight	Right Angle	Straight
2		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	**HCMS02103** **HCMS02106** **HCMS02112** **HCMS021****	**HCMA02103** **HCMA02106** **HCMA02112** **HCMA021****	**HPMS02103** **HPMS02106** **HPMS02112** **HPMS021****	**HPMA02103** **HPMA02106** **HPMA02112** **HPMA021****	**HJMS02103** **HJMS02106** **HJMS02112** **HJMS021****
3		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	**HCMS03103** **HCMS03106** **HCMS03112** **HCMS031****	**HCMA03103** **HCMA03106** **HCMA03112** **HCMA031****	**HPMS03103** **HPMS03106** **HPMS03112** **HPMS031****	**HPMA03103** **HPMA03106** **HPMA03112** **HPMA031****	**HJMS03103** **HJMS03106** **HJMS03112** **HJMS031****
4		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	**HCMS04103** **HCMS04106** **HCMS04112** **HCMS041****	**HCMA04103** **HCMA04106** **HCMA04112** **HCMA041****	**HPMS04103** **HPMS04106** **HPMS04112** **HPMS041****	**HPMA04103** **HPMA04106** **HPMA04112** **HPMA041****	**HJMS04103** **HJMS04106** **HJMS04112** **HJMS041****
5		3 ft (0.91m) 6 ft (1.83m) 12 ft/3.66m) All other lengths▲	**HCMS05103** **HCMS05106** **HCMS05112** **HCMS051****	**HCMA05103** **HCMA05106** **HCMA05112** **HCMA051****	**HPMS05103** **HPMS05106** **HPMS05112** **HPMS051****	**HPMA05103** **HPMA05106** **HPMA05112** **HPMA051****	**HJMS05103** **HJMS05106** **HJMS05112** **HJMS051****
6		3 ft/0.91m) 6 ft/1.83m) 12 ft/3.66m) All other lengths▲	**HCMS06103** **HCMS06106** **HCMS06112** **HCMS061****	**HCMA06103** **HCMA06106** **HCMA06112** **HCMA061****	**HPMS06103** **HPMS06106** **HPMS06112** **HPMS061****	**HPMA06103** **HPMA06106** **HPMA06112** **HPMA061****	**HJMS06103** **HJMS06106** **HJMS06112** **HJMS061****

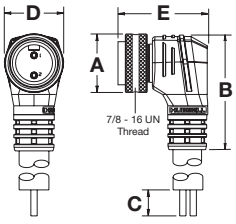
*Note: ▲Replace ** with length required in feet. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
*Example: change HP**M**A05106 to HP**N**A05106.*

Straight Plug



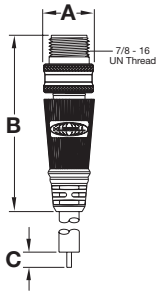
	MALE	FEMALE
A	0.99" (25.2)	0.99 (25.2)
B	2.44" (62.0)	2.40 (61.0)
C	2.75" (69.9)	2.75 (69.9)

Right Angle Plug



	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.14" (54.4)	2.14" (54.4)
C	2.75" (69.9)	2.75" (69.9)
D	1.03" (26.2)	1.03" (26.2)
E	1.64" (40.6)	1.60" (40.6)

Inline Plug

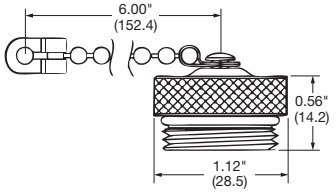
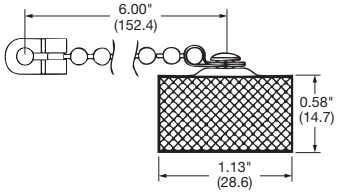
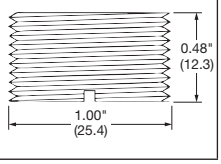


	MALE
A	0.99" (25.2)
B	2.47" (62.8)
C	2.75" (69.9)

Right Angle version also available.

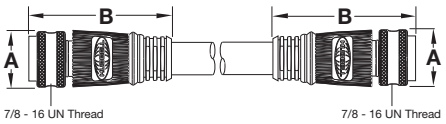
Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications. Shell size is 1, and the thread is 7/8-16 UN.

Description	Catalog Number	
Closure Cap	**HPCAP1**	
Closure Cap	**HRCAP1**	
Adapter Ring	**HMQAR1**	

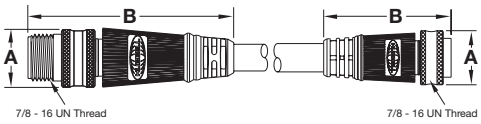
Dimensions in Inches (mm)

Jumper Cable



	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.44" (62.0)	2.40" (61.0)

Male/Female Extension Cable



	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.47" (62.7)	2.40" (61.0)

Cable Diameters By Cable Type

Number of Conductors	#16 AWG SEOOW	#18 AWG SEOOW
2	0.37" (9.4)	0.35" (8.9)
3	0.39" (9.9)	0.37" (9.4)
4	0.42" (10.7)	0.39" (9.9)
5	0.50" (12.7)	0.47" (11.9)
6	0.52" (13.2)	0.48" (12.2)

Number of Conductors	#18 AWM2661 IEC
3	0.26" (6.6)
4	0.26" (6.6)
5	0.26" (6.6)

Conductor Color Code

#16 AWG SEOOW Plugs

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	White	Green	Black	White	White
2	Black	Black	White	Red	Red
3		White	Red	Green	Green
4			Green	Orange	Orange
5				Black	Black
6					Blue

#18 AWG SEOOW Plugs

Contact Number	3 Pole	4 Pole	5 Pole
1	Green	Black	White
2	Black	White	Red
3	White	Red	Green
4		Green	Orange
5			Black

#18 AWM 2661 IEC

Contact Number	3 Pole	4 Pole	5 Pole
1	Yellow/Green	Black	Black
2	Brown	Blue	Blue
3	Blue	Brown	Yellow/Green
4		White	Brown
5			White

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

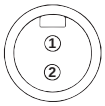
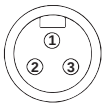
For example, catalog number **HBMS05501** is derived as follows:

DEVICE TYPE	SHELL MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	LEAD WIRE LENGTH (ft)
HR = Receptacle, Female **HB** = Receptacle, Male	**M** = Metallic **N** = Nylon	**A** = Right Angle* **S** = Straight **F** = Flange Mount* **Metallic Only*	**02** **03** **04** **05** **06**	**5** = #16 AWG Discrete Wire **6** = #18 AWG IEC Discrete Wire (IEC colors)* **3 - 5 Pole Only*	**01*** ** **1 Standard Length* ***Replace with Length*
↓ **HB**	↓ **M**	↓ **S**	↓ **05**	↓ **5**	↓ **01**

Note: Availability of specific items may vary. Consult factory for delivery. Use this chart to build receptacles to meet any application need. Consult the factory for additional wire lengths or wire types.

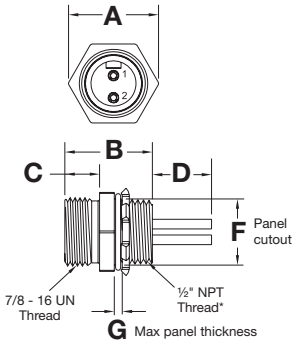
2 - 6 Pole Receptacles

#16 AWG Discrete Wire◆

Poles	Male Face Shown Female - mirror image	Female Receptacles				Male Receptacles			
		Straight	Nylon	Right Angle	Flange Mount	Straight	Nylon	Right Angle	Flange Mount
2		**HRMS02501**	**HRNS02501**	**HRMA02501**	**HRMF02501**	**HBMS02501**	**HBNS02501**	**HBMA02501**	**HBMF02501**
3		**HRMS03501**	**HRNS03501**	**HRMA03501**	**HRMF03501**	**HBMS03501**	**HBNS03501**	**HBMA03501**	**HBMF03501**
4		**HRMS04501**	**HRNS04501**	**HRMA04501**	**HRMF04501**	**HBMS04501**	**HBNS04501**	**HBMA04501**	**HBMF04501**
5		**HRMS05501**	**HRNS05501**	**HRMA05501**	**HRMF05501**	**HBMS05501**	**HBNS05501**	**HBMA05501**	**HBMF05501**
6		**HRMS06501**	**HRNS06501**	**HRMA06501**	**HRMF06501**	**HBMS06501**	**HBNS06501**	**HBMA06501**	**HBMF06501**

Note: ◆For #18 AWG IEC discrete wire, change the conductor type using the Hubbell Logic chart above.

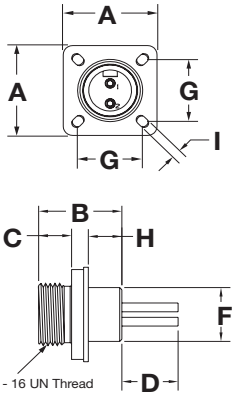
Straight Receptacles



	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.11" (28.2)	1.11" (28.2)
C	0.44" (11.2)	0.44" (11.2)
D	12.0" (304.8)	12.0" (304.8)
F	0.88" (22.4)	0.83" (22.4)
G	0.25" (6.4)	0.25" (6.4)

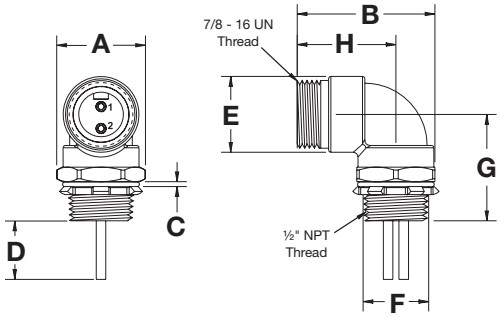
*Note: *IEC receptacle has PG13.5 rear thread.*

Flange Mount Receptacles



	MALE	FEMALE
A	1.25" (31.75)	1.25" (31.75)
B	1.11" (28.19)	1.11" (28.19)
C	0.44" (11.18)	0.44" (11.18)
D	12.0" (304.8)	12.0" (304.8)
F	0.75" (19.05)	0.75" (19.05)
G	0.86" (21.84)	0.86" (21.84)
H	0.45" (11.43)	0.45" (11.43)
I	0.12" (03.02)	0.12" (03.02)

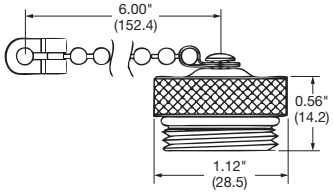
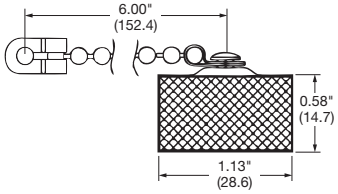
Right Angle Receptacles



	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.76" (44.7)	1.76" (44.7)
C	0.25" (6.4)	0.25" (6.4)
D	12.0" (304.8)	12.0" (304.8)
E	0.97" (24.6)	0.97" (24.6)
F	0.83" (21.8)	0.83" (21.8)
G	1.36" (34.5)	1.36" (34.5)
H	1.26" (32.0)	1.26" (32.0)

Accessories

Closure caps protect plugs and receptacles when not in use.
Shell size is 1, and the thread is 7/8-16 UN.

Description	Catalog Number	
Closure Cap	**HPCAP1**	
Closure Cap	**HRCAP1**	

Dimensions in Inches (mm)

Color Code By Wire Type

#16 AWG Receptacles

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	White	Green	Black	White	White
2	Black	Black	White	Red	Red
3		White	Red	Green	Green
4			Green	Orange	Orange
5				Black	Black
6					Blue

#18 AWG Receptacles

Contact Number	3 Pole	4 Pole	5 Pole
1	Yellow/Green	Black	Black
2	Brown	Blue	Blue
3	Blue	Brown	Yellow/Green
4		White	Brown
5			White

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **HCMA08112** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (ft)
HC = Plug, Female **HP** = Plug, Male **HJ** = Male/Female Jumper Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**07** **08** **09** **10** **12**	**1** = #16 AWG SEOOW Cable	****** **03** **06** **12** **20** ***Replace with Length*
↓	↓	↓	↓	↓	↓
HC	**M**	**A**	**08**	**1**	**12**

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

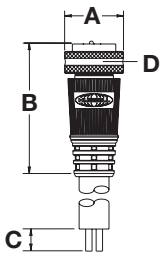
7 - 12 Pole Plugs

Catalog numbers using #16 AWG SEOOW cable are listed below.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs		Male/Female JumperCables
			Straight	Right Angle	Straight	Right Angle	Straight
7		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	**HCMS07103** **HCMS07106** **HCMS07112** **HCMS071****	**HCMA07103** **HCMA07106** **HCMA07112** **HCMA071****	**HPMS07103** **HPMS07106** **HPMS07112** **HPMS071****	**HPMA07103** **HPMA07106** **HPMA07112** **HPMA071****	**HJMS07103** **HJMS07106** **HJMS07112** **HJMS071****
8		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	**HCMS08103** **HCMS08106** **HCMS08112** **HCMS081****	**HCMA08103** **HCMA08106** **HCMA08112** **HCMA081****	**HPMS08103** **HPMS08106** **HPMS08112** **HPMS081****	**HPMA08103** **HPMA08106** **HPMA08112** **HPMA081****	**HJMS08103** **HJMS08106** **HJMS08112** **HJMS081****
9		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	**HCMS09103** **HCMS09106** **HCMS09112** **HCMS091****	**HCMA09103** **HCMA09106** **HCMA09112** **HCMA091****	**HPMS09103** **HPMS09106** **HPMS09112** **HPMS091****	**HPMA09103** **HPMA09106** **HPMA09112** **HPMA091****	**HJMS09103** **HJMS09106** **HJMS09112** **HJMS091****
10		3 ft (0.91m) 6 ft (1.83m) 12 ft/3.66m) All other lengths▲	**HCMS10103** **HCMS10106** **HCMS10112** **HCMS101****	**HCMA10103** **HCMA10106** **HCMA10112** **HCMA101****	**HPMS10103** **HPMS10106** **HPMS10112** **HPMS101****	**HPMA10103** **HPMA10106** **HPMA10112** **HPMA101****	**HJMS10103** **HJMS10106** **HJMS10112** **HJMS101****
12		3 ft/0.91m) 6 ft/1.83m) 12 ft/3.66m) All other lengths▲	**HCMS12103** **HCMS12106** **HCMS12112** **HCMS121****	**HCMA12103** **HCMA12106** **HCMA12112** **HCMA121****	**HPMS12103** **HPMS12106** **HPMS12112** **HPMS121****	**HPMA12103** **HPMA12106** **HPMA12112** **HPMA121****	**HJMS12103** **HJMS12106** **HJMS12112** **HJMS121****

*Note: ▲Replace ** with length required in feet. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
*Example: change HP**M**A07106 to HP**N**A07106.*

Straight Plug



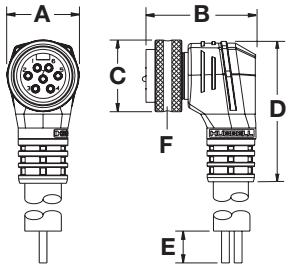
7 - 8 Pole

	MALE	FEMALE
A	1.12" (28.5)	1.12" (28.5)
B	2.53" (64.3)	2.49" (63.3)
C	2.75" (69.9)	2.75" (69.9)
D	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	2.77" (70.4)	2.73" (69.3)
C	2.75" (69.9)	2.75" (69.9)
D	1 1/8 - 16 UN Thread	

Right Angle Plug



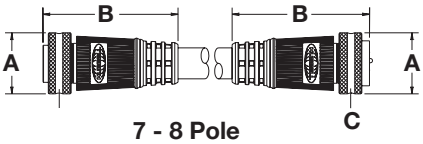
7 - 8 Pole

	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.73" (43.9)	1.69" (42.9)
C	1.12" (28.5)	1.12" (28.5)
D	2.22" (56.4)	2.22" (56.4)
E	2.75" (69.9)	2.75" (69.9)
F	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	1.84" (47.0)	1.80" (45.7)
C	1.25" (31.8)	1.25" (31.8)
D	2.54" (64.5)	2.54" (64.5)
E	2.75" (69.9)	2.75" (69.9)
F	1 1/8 - 16 UN Thread	

Jumper Cable



7 - 8 Pole

	MALE	FEMALE
A	1.12" (28.5)	1.12" (28.5)
B	2.53" (64.3)	2.49" (63.3)
C	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	2.77" (70.4)	2.73" (69.3)
C	1 1/8 - 16 UN Thread	

Cable Diameters By Cable Type

Number of Conductors	#16 AWG STOOW
7	0.52" (13.2)
8	0.56" (14.2)
9	0.60" (15.2)
10	0.65" (16.7)
12	0.70" (17.7)

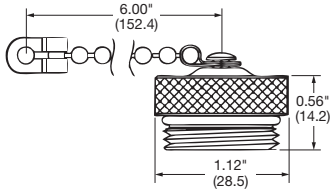
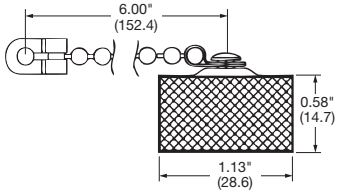
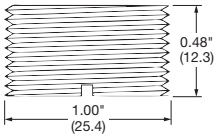
Conductor Color Code

#16 AWG SEOOW Plugs

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole	7 Pole	8 Pole	9 Pole	10 Pole	12 Pole
1	White	Green	Black	White	White	White/Black	Orange	Orange	Orange	Orange
2	Black	Black	White	Red	Red	Black	Blue	Blue	Blue	Blue
3		White	Red	Green	Green	White	White/Black	Red/Black	White/Black	White/Black
4			Green	Orange	Orange	Red	Black	Green/Black	Red/Black	Red/Black
5				Black	Black	Orange	White	White	Green/Black	Green/Black
6					Blue	Blue	Red	Red	Orange/Black	Orange/Black
7						Green	Green	Green	Red	Blue/Black
8							Red/Black	White/Black	Green	Black/White
9								Black	Black	Green
10									White	Red
11										White
12										Black

Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications.

Description	Closure Cap			Closure Cap			Adapter Ring		
	Shell Size	Thread Size	Catalog Number	Shell Size	Thread Size	Catalog Number	Shell Size	Thread Size	Catalog Number
7 to 8 Pole	II	1 - 16 UN	**HPCAP2**	II	1 - 16 UN	**HRCAP2**	II	1 - 16 UN	**HMQAR2**
9 to 12 Pole	III	1 1/8 - 16UN	**HPCAP3**	III	1 1/8 - 16UN	**HRCAP3**	III	1 1/8 - 16UN	**HMQAR3**
									
Cap Size	II- 1.12" (28.5), III- 1.25" (31.8)			II- 1.13" (28.6), III- 1.25" (31.8)			II- 1.00" (25.4), III- 1.13" (28.6)		

Dimensions in Inches (mm)

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **HRMS10501** is derived as follows:

DEVICE TYPE	SHELL MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	LEAD WIRE LENGTH (ft)
HR = Receptacle, Female **HB** = Receptacle, Male	**M** = Metallic	**S** = Straight	**07** **08** **09** **10** **12**	**5** = #16 AWG Discrete Wire	**01*** ** **1 Standard Length* ***Replace with Length*
↓	↓	↓	↓	↓	↓
HR	**M**	**S**	**10**	**5**	**01**

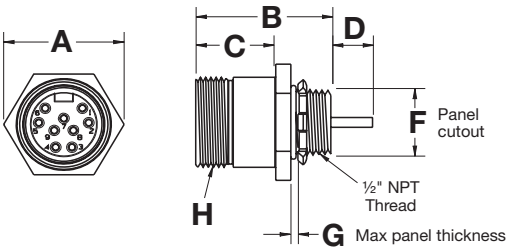
Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional wire lengths or wire types.

7 - 12 Pole Receptacles

#16 AWG Discrete Wire

Poles	Male Face Shown Female - mirror image	Female Receptacles	Male Receptacles
7		**HRMS07501**	**HBMS07501**
8		**HRMS08501**	**HBMS08501**
9		**HRMS09501**	**HBMS09501**
10		**HRMS10501**	**HBMS10501**
12		**HRMS12501**	**HBMS12501**

Straight Receptacles



7 - 8 Pole

	MALE	FEMALE
A	1.29" (32.8)	1.29" (32.8)
B	1.44" (36.6)	1.44" (36.6)
C	0.80" (20.3)	0.80" (20.3)
D	12.0" (304.8)	12.0" (304.8)
F	0.83" (21.1)	0.83" (21.1)
G	0.25" (6.4)	0.25" (6.4)
H	1 - 16 UN Thread	

9 - 12 Pole

	MALE	FEMALE
A	1.44" (36.6)	1.44" (36.6)
B	1.62" (41.2)	1.62" (41.2)
C	0.96" (24.4)	0.96" (24.4)
D	12.0" (304.8)	12.0" (304.8)
F	0.83" (21.1)	0.83" (21.1)
G	0.25" (6.4)	0.25" (6.4)
H	1 1/8 - 16 UN Thread	

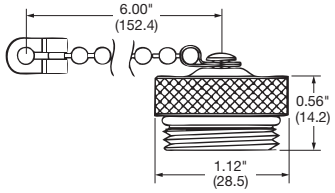
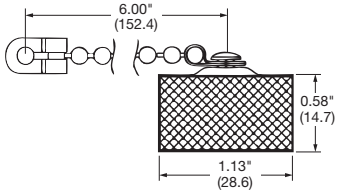
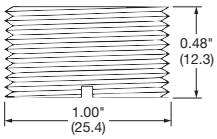
Conductor Color Code

#16 AWG Receptacles

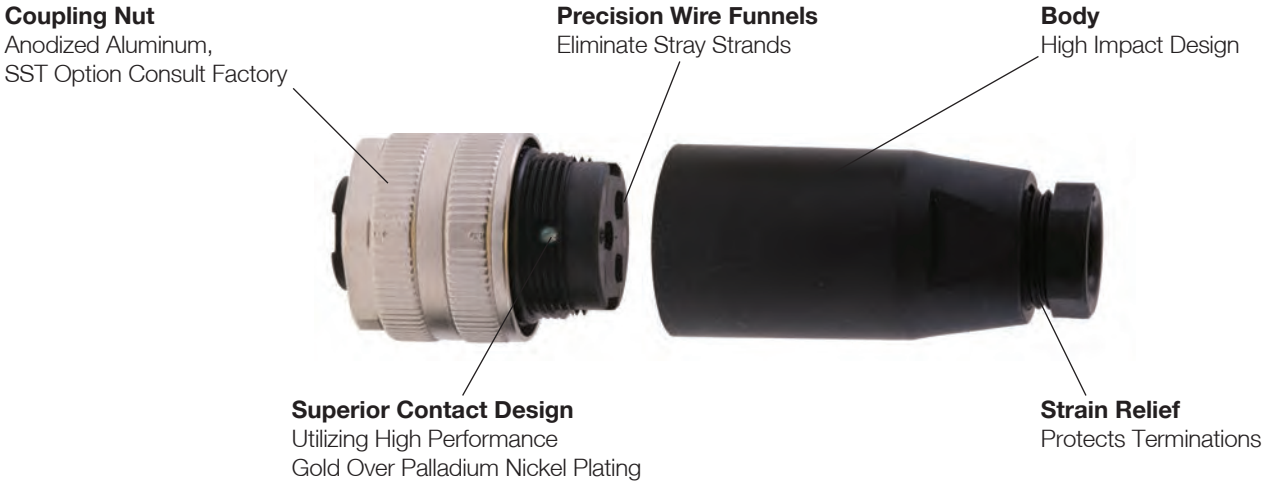
Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole	7 Pole	8 Pole	9 Pole	10 Pole	12 Pole
1	White	Green	Black	White	White	White/Black	Orange	Orange	Orange	Orange
2	Black	Black	White	Red	Red	Black	Blue	Blue	Blue	Blue
3		White	Red	Green	Green	White	White/Black	Red/Black	White/Black	White/Black
4			Green	Orange	Orange	Red	Black	Green/Black	Red/Black	Red/Black
5				Black	Black	Orange	White	White	Green/Black	Green/Black
6					Blue	Blue	Red	Red	Orange/Black	Orange/Black
7						Green	Green	Green	Red	Blue/Black
8							Red/Black	White/Black	Green	Black/White
9								Black	Black	Green
10									White	Red
11										White
12										Black

Accessories

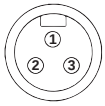
Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications.

Description	Closure Cap Shell Size	Closure Cap Thread Size	Closure Cap Catalog Number	Closure Cap Shell Size	Closure Cap Thread Size	Closure Cap Catalog Number	Adapter Ring Shell Size	Adapter Ring Thread Size	Adapter Ring Catalog Number
7 to 8 Pole	II	1 - 16 UN	**HPCAP2**	II	1 - 16 UN	**HRCAP2**	II	1 - 16 UN	**HMQAR2**
9 to 12 Pole	III	1 1/8 - 16UN	**HPCAP3**	III	1 1/8 - 16UN	**HRCAP3**	III	1 1/8 - 16UN	**HMQAR3**
									
Cap Size	II- 1.12" (28.5), III- 1.25" (31.8)			II- 1.13" (28.6), III- 1.25" (31.8)			II- 1.00" (25.4), III- 1.13" (28.6)		

Dimensions in Inches (mm)



3 - 5 Pole Field Attachable Connectors

Poles	Male Face Shown Female - mirror image	Cable Range	Female Connector		Male In-Line Connector		Male Connector	
			Straight	Right Angle	Straight	Right Angle	Straight	Right Angle
3		.24"-.32" (6.1-8.1) .39"-.47" (9.9-11.9) .47"-.55" (11.9-13.1)	**HCMS03F9** **HCMS03F13** **—**	**HCMA03F9** **—** **—**	**HIMS03F9** **HIMS03F13** **—**	**HIMA03F9** **—** **—**	**HPMS03F9** **HPMS03F13** **—**	**HPMA03F9** **—** **—**
4		.24"-.32" (6.1-8.1) .39"-.47" (9.9-11.9) .47"-.55" (11.9-13.1)	**HCMS04F9** **HCMS04F13** **HCMS04F16**	**HCMA04F9** **—** **—**	**HIMS04F9** **HIMS04F13** **HIMS04F16**	**HIMA04F9** **—** **—**	**HPMS04F9** **HPMS04F13** **HPMS04F16**	**HPMA04F9** **—** **—**
5		.24"-.32" (6.1-8.1) .39"-.47" (9.9-11.9) .47"-.55" (11.9-13.1)	**HCMS05F9** **HCMS05F13** **HCMS05F16**	**HCMA05F9** **—** **—**	**HIMS05F9** **HIMS05F13** **HIMS05F16**	**HIMA05F9** **—** **—**	**HPMS05F9** **HPMS05F13** **HPMS05F16**	**HPMA05F9** **—** **—**

Electrical Specifications

Voltage Rating	250V
Amperage	3 Pin - 12A 4,5 Pin - 9A
Wire Size, Max	#16 AWG

Mechanical Specifications

Coupling Nut	Anodized aluminum, SST consult factory
Connector Shell	PBT
Connector Insert	PUR/PA
Contacts	Brass, gold plate over palladium nickel

Environmental Specifications

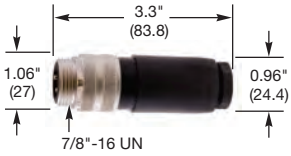
Moisture Resistance	IP66 Suitability
Operating Temperature	-40°C to 85°C

Female, Right Angle
Male, Right Angle

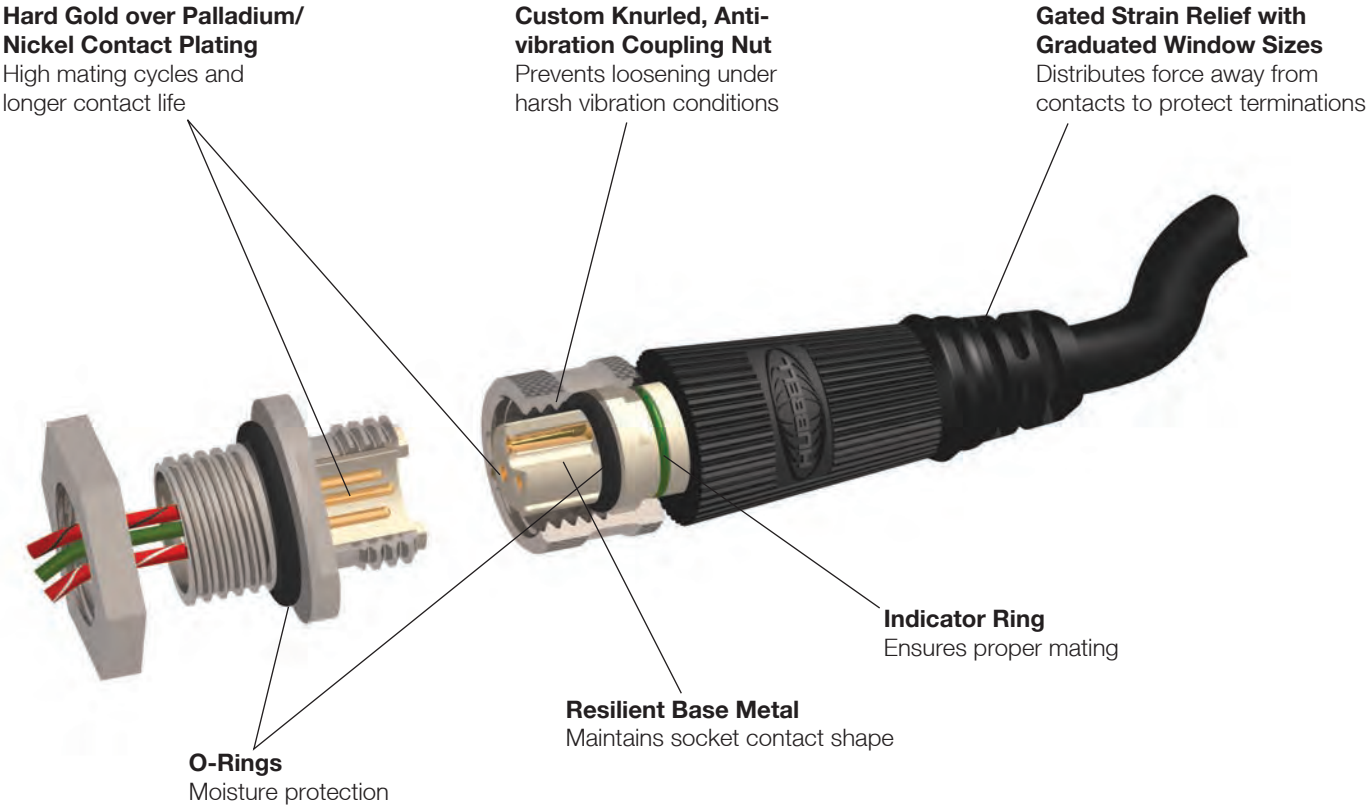
Female, Straight
Male, Straight

Male In-Line, Right Angle

Male In-Line, Straight



Dimensions in Inches (mm)



Features

- Nickel plated brass coupling nuts and receptacle shells.
- Beryllium copper socket contacts.
- Standard #22 AWG cable 85% copper braid coverage.
- Black overmold and cable.
- Insulgrip connector body design.
- Plating resists corrosion in high abuse environments.

Benefits

- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Cable resists nicks and abrasions and provides shielding when braid is terminated.
- Cable assembly resists dirt and blends with environment giving a clean look to the installation.
- Ergonomic connector body has an industrial look.

Material Specifications

Insulator Materials	Nylon 6/6, White
Contact Materials	Pins - Brass Sockets - Beryllium copper
Contact Plating	Hard gold over palladium/nickel
Overmold Material	Glass filled polyurethane, Black
Coupling Nut, Metallic	Nickel plated brass
Coupling Nut, Nylon	Nylon 6/6, Black
Receptacle Shell	Nickel plated brass

Cable	#22 AWG -	PVC jacket (black) PVC conductor insulation Copper braid - 85% coverage Stranding - 19/34
	#18 AWG -	TPE jacket (black) PVC conductor insulation Stranding - 41/34
Strain Relief	#22 AWG -	20 pounds min per UL2238
	#18 AWG -	30 pounds min per UL 2238

Electrical Specifications

Voltage Rating	300V DC/300V AC
Amperage	#22 AWG - 2&3P=5A, 4&5P=4A, 6P=3A #18 AWG - 2&3P=8A, 4P=6A, 5P=5A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Environmental Specifications

Moisture Protection Ingress Protection	UL Type 4, 4X, 12 and 13 IP66 Suitability
Operating Temperature	#22 AWG PVC cable: -20°C to 105° C #18 AWG TPE cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD-1344, Method 2005

Certifications

UL 2238 and UL50E, File No. E192071

CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94.2-07

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

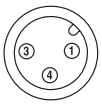
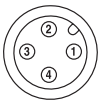
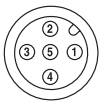
For example, catalog number **MCMS1312** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (m)
MC = Plug, Female **MI** = Plug, Male Inline **ME** = Male/Female Extension Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**1** = Single	**3** **4** **5**	**1** = #22 AWG PVC Cable **2** = #18 AWG TPE Cable* **2 - 4 Pole Only*	****** **2** **4** **5** ***Replace with Length*
↓ **MC**	↓ **M**	↓ **S**	↓ **1**	↓ **3**	↓ **1**	↓ **2**

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

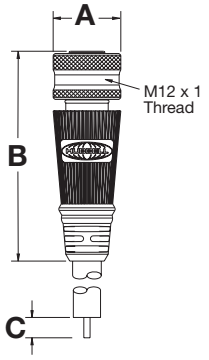
3 - 5 Pole Single Key Plugs

Catalog numbers using #22 AWG PVC cable are listed below. For #18 AWG TPE cable, change the conductor type per the Hubbell Logic chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male In-Line Plugs	Male/Female Extension Cables
			Straight	Right Angle	Straight	Straight
3		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS1312** **MCMS1314** **MCMS1315** **MCMS131****	**MCMA1312** **MCMA1314** **MCMA1315** **MCMA131****	**MIMS1312** **MIMS1314** **MIMS1315** **MIMS131****	**MEMS1312** **MEMS1314** **MEMS1315** **MEMS131****
4		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS1412** **MCMS1414** **MCMS1415** **MCMS141****	**MCMA1412** **MCMA1414** **MCMA1415** **MCMA141****	**MIMS1412** **MIMS1414** **MIMS1415** **MIMS141****	**MEMS1412** **MEMS1414** **MEMS1415** **MEMS141****
5		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths▲	**MCMS1512** **MCMS1514** **MCMS1515** **MCMS151****	**MCMA1512** **MCMA1514** **MCMA1515** **MCMA151****	**MIMS1512** **MIMS1514** **MIMS1515** **MIMS151****	**MEMS1512** **MEMS1514** **MEMS1515** **MEMS151****

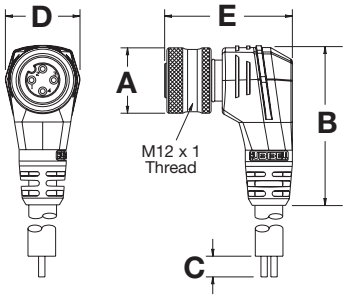
*Note: ▲Replace ** with length required in meters. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
Example: change MCMA1412 to MCNA1412.

Straight Female Plug



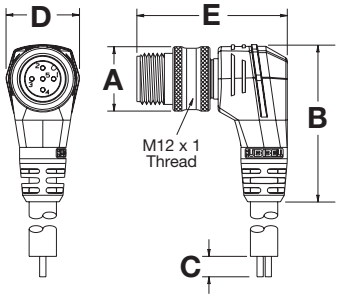
A	0.59" (15.0)
B	1.83" (46.5)
C	2.75" (69.9)

Right Angle Female Plug



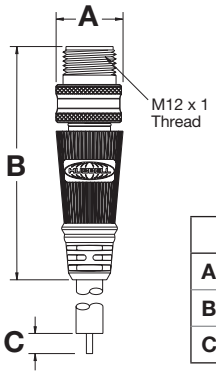
A	0.59" (15.0)
B	1.44" (36.6)
C	2.75" (69.9)
D	0.67" (17.0)
E	1.15" (29.2)

Right Male In-Line Plug



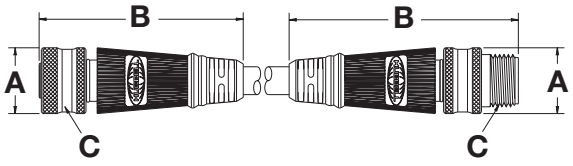
A	0.59" (15.0)
B	1.44" (36.6)
C	2.75" (69.9)
D	0.67" (17.0)
E	1.38" (35.1)

Straight Male In-Line Plug



	MALE
A	0.59" (15.0)
B	2.06" (52.3)
C	2.75" (69.9)

Extension Cable



	FEMALE	MALE
A	0.59" (15.0)	0.59" (15.0)
B	1.83" (46.5)	2.06" (52.3)
C	M12 x 1	

Cable Diameters By Cable Type

Number of Conductors	#22 AWG PVC	#18 AWG TPE
3	0.21" (5.3)	0.24" (6.1)
4	0.22" (5.7)	0.26" (6.6)
5	0.26" (6.6)	0.28" (7.1)

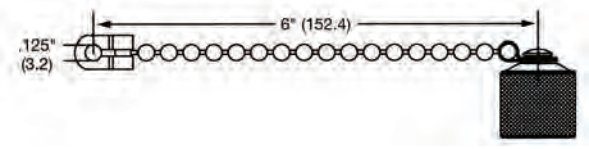
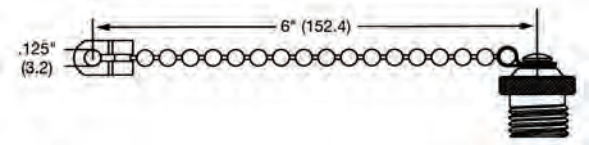
Conductor Color Code

Contact Number	3 Pole	4 Pole	5 Pole
1	Brown	Brown	Brown
2	Not Used	White	White
3	Blue	Blue	Blue
4	Black	Black	Black
5	Not Used	Not Used	Gray

Accessories

Dust Caps

Closure caps protect plugs and receptacles when not in use. Thread is M12 x 1.

Catalog Number	
MRCM1	
MPCM1	

Dimensions in Inches (mm)

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

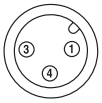
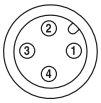
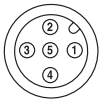
For example, catalog number **MRMS13314** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	REAR THREAD STYLE
MB = Receptacle, Male **MF** = Receptacle, Female Inverse	**M** = Metallic	**S** = Straight	**1** = Single	**3** **4** **5**	**3** = #22 AWG PVC Discrete Wire **4** = #18 AWG PVC Discrete Wire* **3 - 4 Pole Only*	**14** = M14x1* **25** = ¼" NPT** **50** = ½" NPT* **MB Style Only* ***MF Style Only*
↓	↓	↓	↓	↓	↓	↓
MR	**M**	**S**	**1**	**3**	**3**	**14**

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

3 - 5 Pole Single Key Receptacles- #22 AWG Discrete Wire*

Catalog numbers using #22 AWG PVC discrete wire are listed below. For #18 AWG PVC discrete wire, change the conductor type per the Hubbell Logic chart above.

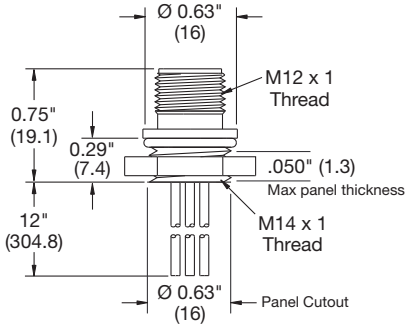
Poles	Male Face Shown Female - mirror image	Male Receptacle Rear Thread Style		Female Inverse Receptacles Rear Thread Style
		M14 x 1	½" NPT	¼" NPT
3		**MBMS13314**	**MBMS13350**	**MFMS13325**
4		**MBMS14314**	**MBMS14350**	**MFMS14325**
5		**MBMS15314**	**MBMS15350**	**MFMS15325**

*Note: *For #18 AWG discrete wire, replace the conductor type per Hubbell Logic chart above.*
All receptacles available in 1ft. length standard. For additional lengths, please consult factory.

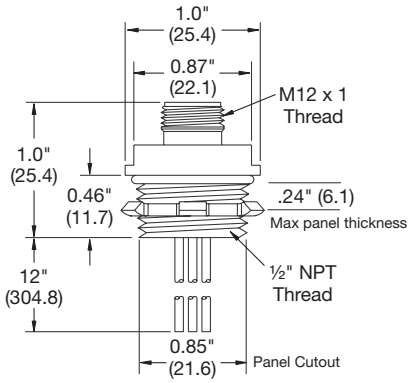
Single Key 3 - 5 Pole Receptacles

Drawings (in/mm)

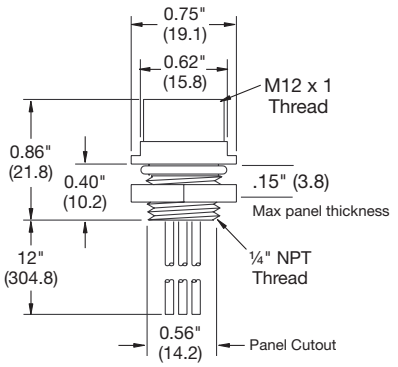
Male Receptacle Rear Thread - M14x1



Male Receptacle Rear Thread - ½" NPT



Female Inverse Receptacle Rear Thread - ¼" NPT



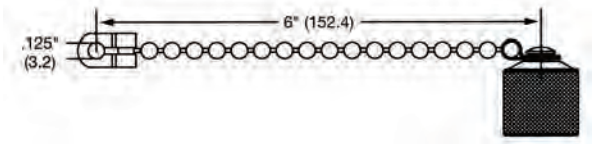
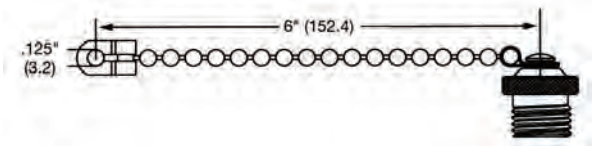
Conductor Color Code - Single Key

Contact Number	3 Pole	4 Pole	5 Pole
1	Brown	Brown	Brown
2	Not Used	White	White
3	Blue	Blue	Blue
4	Black	Black	Black
5	Not Used	Not Used	Gray

Accessories

Dust Caps

Closure caps protect plugs and receptacles when not in use. Thread is M12 x 1.

Catalog Number	
MRCM1	
MPCM1	

Dimensions in Inches (mm)

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

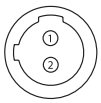
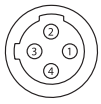
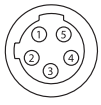
For example, catalog number **MPMS2512** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (m)
MC = Plug, Female **MP** = Plug, Male **MI** = Plug, Male Inline **ME** = Male/Female Extension Cable	**M** = Metallic **N** = Nylon	**A** = Right Angle **S** = Straight	**2** = Dual	**2** **3** **4** **5** **6**	**1** = #22 AWG PVC Cable **2** = #18 AWG TPE Cable* **2 - 5 Pole Only*	****** **2** **4** **5** ***Replace with Length*
↓ **MP**	↓ **M**	↓ **S**	↓ **2**	↓ **5**	↓ **1**	↓ **2**

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

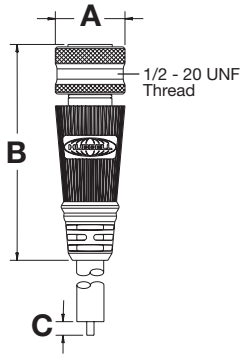
2 - 6 Pole Dual Key Plugs

Catalog numbers using #22 AWG PVC cable are listed below. For #18 AWG TPE cable, change the conductor type per the Hubbell Logic chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs			Male/Female Extension Cables
			Straight	Right Angle	Straight	Right Angle	In-Line Straight	Straight
2		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths➧	**MCMS2212** **MCMS2214** **MCMS2215** **MCMS221****	**MCMA2212** **MCMA2214** **MCMA2215** **MCMA221****	**MPMS2212** **MPMS2214** **MPMS2215** **MPMS221****	**MPMA2212** **MPMA2214** **MPMA2215** **MPMA221****	**MIMS2212** **MIMS2214** **MIMS2215** **MIMS221****	**MEMS2212** **MEMS2214** **MEMS2215** **MEMS221****
3		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths➧	**MCMS2312** **MCMS2314** **MCMS2315** **MCMS231****	**MCMA2312** **MCMA2314** **MCMA2315** **MCMA231****	**MPMS2312** **MPMS2314** **MPMS2315** **MPMS231****	**MPMA2312** **MPMA2314** **MPMA2315** **MPMA231****	**MIMS2312** **MIMS2314** **MIMS2315** **MIMS231****	**MEMS2312** **MEMS2314** **MEMS2315** **MEMS231****
4		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths➧	**MCMS2412** **MCMS2414** **MCMS2415** **MCMS241****	**MCMA2412** **MCMA2414** **MCMA2415** **MCMA241****	**MPMS2412** **MPMS2414** **MPMS2415** **MPMS241****	**MPMA2412** **MPMA2414** **MPMA2415** **MPMA241****	**MIMS2412** **MIMS2414** **MIMS2415** **MIMS241****	**MEMS2412** **MEMS2414** **MEMS2415** **MEMS241****
5		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths➧	**MCMS2512** **MCMS2514** **MCMS2515** **MCMS251****	**MCMA2512** **MCMA2514** **MCMA2515** **MCMA251****	**MPMS2512** **MPMS2514** **MPMS2515** **MPMS251****	**MPMA2512** **MPMA2514** **MPMA2515** **MPMA251****	**MIMS2512** **MIMS2514** **MIMS2515** **MIMS251****	**MEMS2512** **MEMS2514** **MEMS2515** **MEMS251****
6		6.56 ft (2m) 13.12 ft (4m) 16.40 ft (5m) All other lengths➧	**MCMS2612** **MCMS2614** **MCMS2615** **MCMS261****	**MCMA2612** **MCMA2614** **MCMA2615** **MCMA261****	**MPMS2612** **MPMS2614** **MPMS2615** **MPMS261****	**MPMA2612** **MPMA2614** **MPMA2615** **MPMA261****	**MIMS2612** **MIMS2614** **MIMS2615** **MIMS261****	**MEMS2612** **MEMS2614** **MEMS2615** **MEMS261****

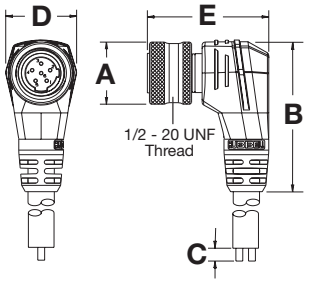
*Note: ➧ Replace ** with length required in meters. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.*
*Example: change MC**M**S2314 to MC**N**S2314.*

Straight Plug



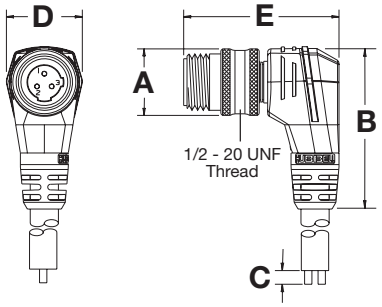
	MALE	FEMALE
A	0.59" (15.0)	0.59" (15.0)
B	1.83" (46.5)	1.83" (46.5)
C	2.75" (69.9)	2.75" (69.9)

Right Angle Plug



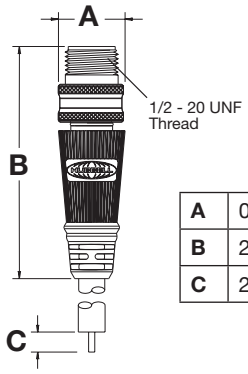
	MALE	FEMALE
A	0.59" (15.0)	0.59" (15.0)
B	1.44" (36.6)	1.44" (36.6)
C	2.75" (69.9)	2.75" (69.9)
D	0.67" (17.0)	0.67" (17.0)
E	1.15" (29.2)	1.15" (29.2)

Right Angle Male In-Line Plug



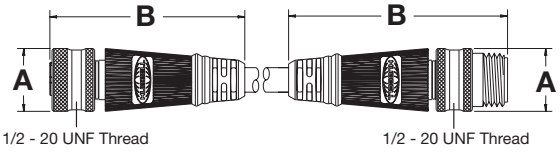
A	0.59" (15.0)
B	1.44" (36.6)
C	2.75" (69.9)
D	0.67" (17.0)
E	1.38" (35.1)

Male In-Line Plug



A	0.59" (15.0)
B	2.06" (52.3)
C	2.75" (69.9)

Extension Cable



	MALE	FEMALE
A	0.59" (15.0)	0.59" (15.0)
B	2.06" (52.3)	1.83" (46.5)

Conductor Color Code - Dual Key

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	Brown	Green	Red/Black	Red/White	Red/White
2	Blue	Red/Black	Red/White	Red	Red
3		Red/White	Red	Green	Green
4			Green	Red/Yellow	Red/Yellow
5				Red/Black	Red/Black
6					Red/Blue

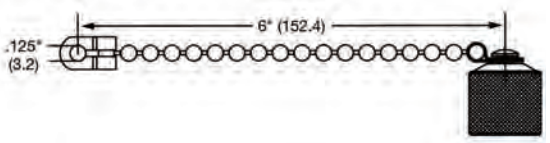
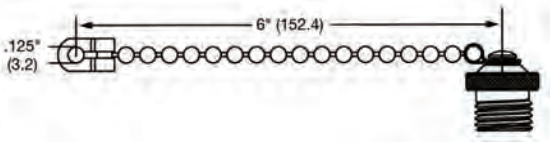
Cable Diameters By Cable Type

Number of Conductors	#22 AWG PVC	#18 AWG TPE
2	0.20" (5.1)	0.23" (5.8)
3	0.21" (5.3)	0.24" (6.09)
4	0.22" (5.7)	0.26" (6.6)
5	0.26" (6.7)	0.28" (7.1)
6	0.26" (6.5)	–

Accessories

Dust Caps

Closure caps protect plugs and receptacles when not in use.
Key style is for dual with thread of ½"-20 UNF.

Catalog Number	
MRCM2	
MPCM2	

Dimensions in Inches (mm)

Dual Key 2 - 6 Pole Receptacles

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **MRMS22325** is derived as follows:

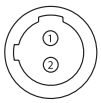
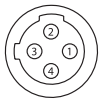
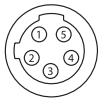
DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	KEY STYLE	POLES	CONDUCTOR TYPE	REAR THREAD STYLE
MR = Receptacle, Female **MB** = Receptacle, Male **MF** = Receptacle, Female Inverse	**M** = Metallic	**S** = Straight	**2** = Dual	**2** **3** **4** **5** **6**	**3** = #22 AWG PVC Discrete Wire **4** = #18 AWG PVC Discrete Wire* **2 - 5 Pole Only*	**25** = ¼" NPT* **50** = ½" NPT **MF Style Only*
↓	↓	↓	↓	↓	↓	↓
MR	**M**	**S**	**2**	**2**	**3**	**25**

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

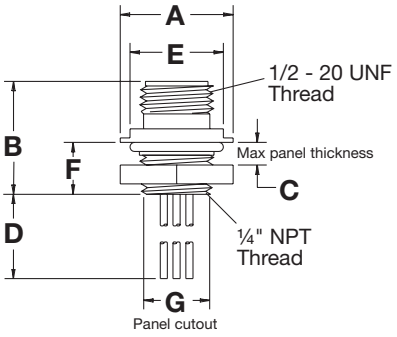
Male Receptacle Rear Thread Style		Female Inverse Receptacles Rear Thread Style
M14 X 1	**½" NPT**	**¼" NPT**

2 - 6 Pole Dual Key Receptacles

Catalog numbers using #22 AWG PVC cable are listed below. For #18 AWG PVC discrete wire, change the conductor type per the Hubbell Logic chart above.

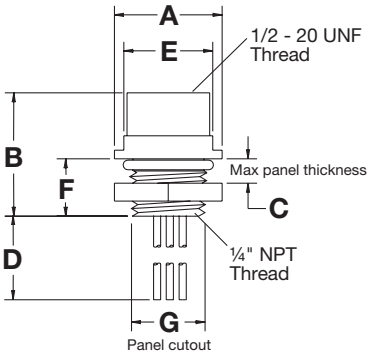
Poles	Male Face Shown Female - mirror image	Female Receptacle Rear Thread Style		Male Receptacle Rear Thread Style		Female Inverse Receptacles
		¼" NPT	½" NPT	¼" NPT	½" NPT	¼" NPT
2		**MRMS22325**	**MRMS22350**	**MBMS22325**	**MBMS22350**	**MFMS22325**
3		**MRMS23325**	**MRMS23350**	**MBMS23325**	**MBMS23350**	**MFMS23325**
4		**MRMS24325**	**MRMS24350**	**MBMS24325**	**MBMS24350**	**MFMS24325**
5		**MRMS25325**	**MRMS25350**	**MBMS25325**	**MBMS25350**	**MFMS25325**
6		**MRMS26325**	**MRMS26350**	**MBMS26325**	**MBMS26350**	**MFMS26325**

¼" NPT Rear Thread Receptacle



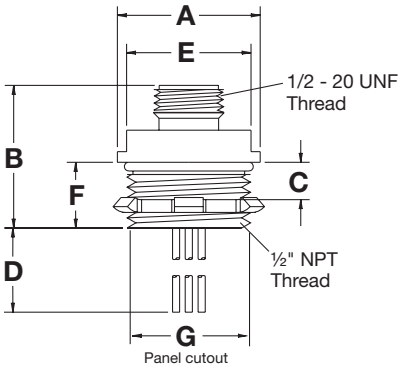
	MALE	FEMALE
A	0.75" (19.1)	0.75" (19.1)
B	0.75" (19.1)	0.86" (21.8)
C	0.10" (2.5)	0.10" (2.5)
D	12.0" (304.8)	12.0" (304.8)
E	0.62" (15.8)	0.62" (15.8)
F	0.35" (8.9)	0.38" (9.7)
G	0.56" (14.2)	0.56" (14.2)

Female Inverse Receptacle ¼" NPT Rear Thread



A	0.75" (19.1)
B	0.86" (21.8)
C	0.15" (3.8)
D	12.0" (304.8)
E	0.62" (15.8)
F	0.40" (10.2)
G	0.56" (14.2)

½" NPT Rear Thread Receptacle



	MALE	FEMALE
A	1.00" (25.4)	1.00" (25.4)
B	1.00" (25.4)	1.00" (25.4)
C	0.24" (6.10)	0.24" (6.10)
D	12.0" (304.8)	12.0" (304.8)
E	0.87" (22.1)	0.87" (22.1)
F	0.46" (11.7)	0.46" (11.7)
G	0.85" (21.6)	0.85" (21.6)

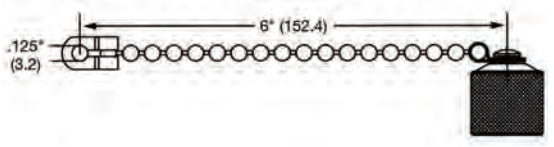
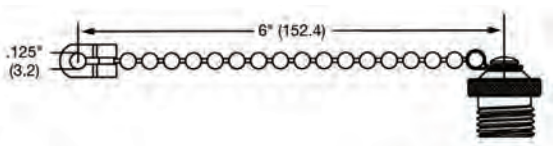
Conductor Color Code - Dual Key

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	Brown	Green	Red/Black	Red/White	Red/White
2	Blue	Red/Black	Red/White	Red	Red
3		Red/White	Red	Green	Green
4			Green	Red/Yellow	Red/Yellow
5				Red/Black	Red/Black
6					Red/Blue

Accessories

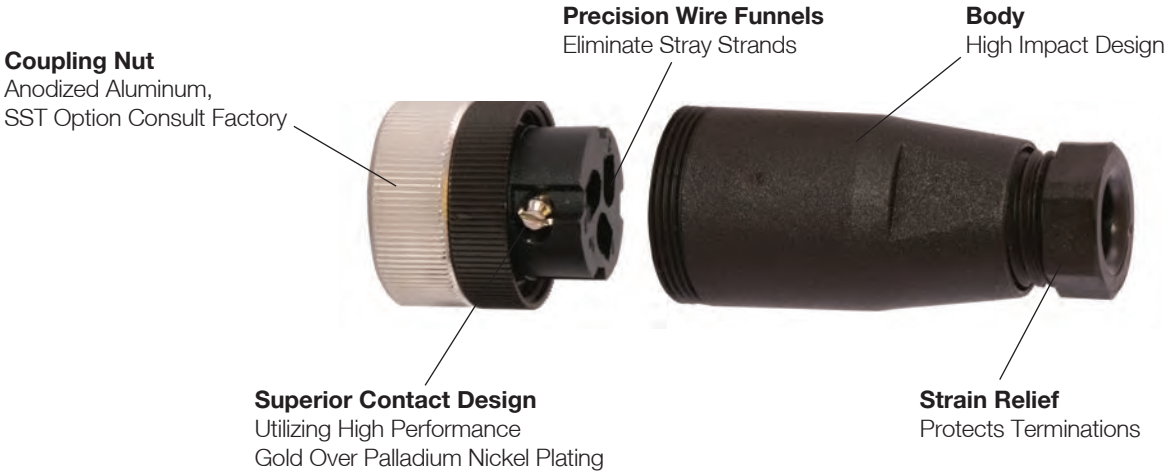
Dust Caps

Closure caps protect plugs and receptacles when not in use.
Key style is for dual with thread of ½"-20 UNF.

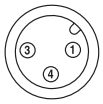
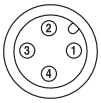
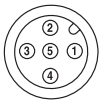
Catalog Number	
MRCM2	
MPCM2	

Dimensions in Inches (mm)

Field Attachable Connectors - Screw Terminal Style



3 - 5 Pole Field Attachable Connectors

Poles	Male Face Shown Female - mirror image	Cable Range	Female Connector		Male In-Line Connector	
			Straight	Right Angle	Straight	Right Angle
3		.16"-.24" (4.1-6.1) .24"-.32" (6.1-8.1)	**MCMS23F7** **MCMS23F9**	**MCMA23F7** **MCMA23F9**	**MIMS23F7** **MIMS23F9**	**MIMA23F7** **MIMA23F9**
4		.16"-.24" (4.1-6.1) .24"-.32" (6.1-8.1)	**MCMS14F7** **MCMS14F9**	**MCMA14F7** **MCMA14F9**	**MIMS14F7** **MIMS14F9**	**MIMA14F7** **MIMA14F9**
5		.16"-.24" (4.1-6.1) .24"-.32" (6.1-8.1)	**MCMS15F7** **MCMS15F9**	**MCMA15F7** **MCMA15F9**	**MIMS15F7** **MIMS15F9**	**MIMA15F7** **MIMA15F9**

Electrical Specifications

Voltage Rating	250V
Amperage	4A
Wire Size, Max	#18 AWG

Mechanical Specifications

Coupling Nut	Nickel plated brass, SST consult factory
Connector Shell	PBT
Connector Insert	Nylon
Contacts	Brass, gold plate over palladium nickel

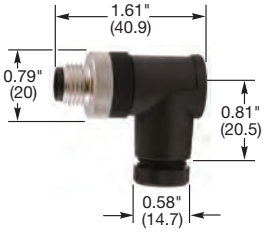
Environmental Specifications

Moisture Resistance	IP66 Suitability
Operating Temperature	-40°C to 90°C

Female, Right Angle

Female, Straight

Male In-Line, Right Angle

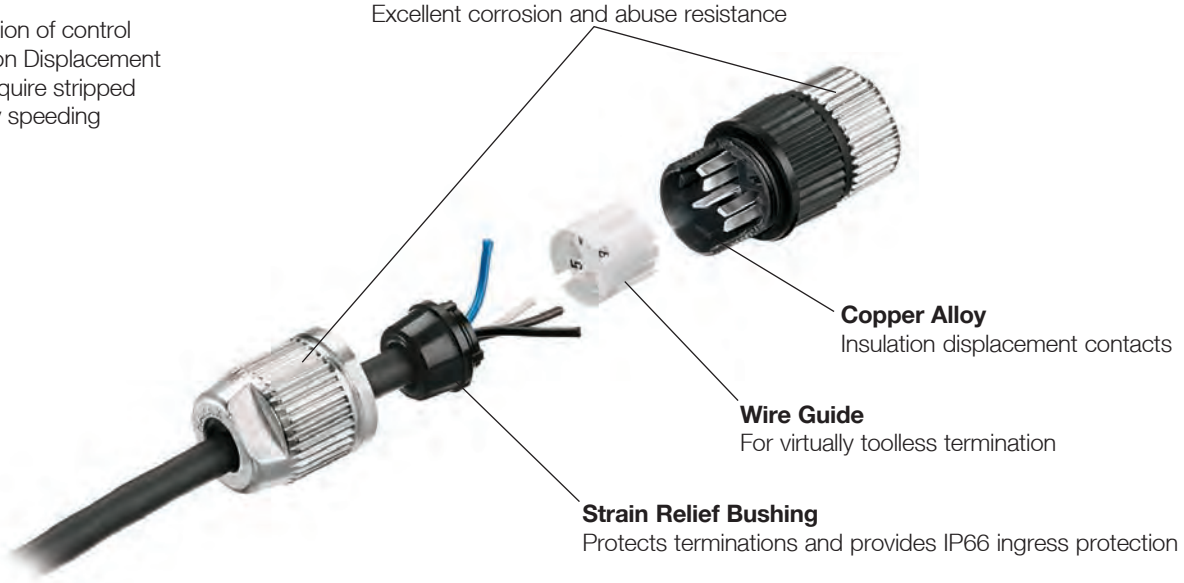


Male In-Line, Straight

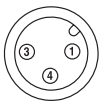
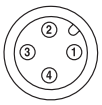
Dimensions in Inches (mm)

Field Attachable Connectors - IDC Style

Allows field installation of control connector. Insulation Displacement Contacts do not require stripped conductors, greatly speeding installation.



Micro-Quick® IDC

Poles	Male Face Shown Female - mirror image	Cable Range	Wire Gauge	Female Connector		Male In-Line Connector	
				Straight	Right Angle	Straight	Right Angle
3		.16"-.21" (4.1-5.3) .22"-.32" (5.6-8.1)	22 - 24 18 - 22	**MCMS13IDC** **MCMS13IDCL**	**MCMA13IDC** **—**	**MIMS13IDC** **MIMS13IDCL**	**MIMA13IDC** **—**
4		.16"-.21" (4.1-5.3) .22"-.32" (5.6-8.1)	22 - 24 18 - 22	**MCMS14IDC** **MCMS14IDCL**	**MCMA14IDC** **—**	**MIMS14IDC** **MIMS14IDCL**	**MIMA14IDC** **—**

MCMS13IDC

MCMS13IDCL

MIMS13IDCL

MCMA13IDC

MIMS13IDC

MIMA13IDC

Dimensions in Inches (mm)

Material Specifications

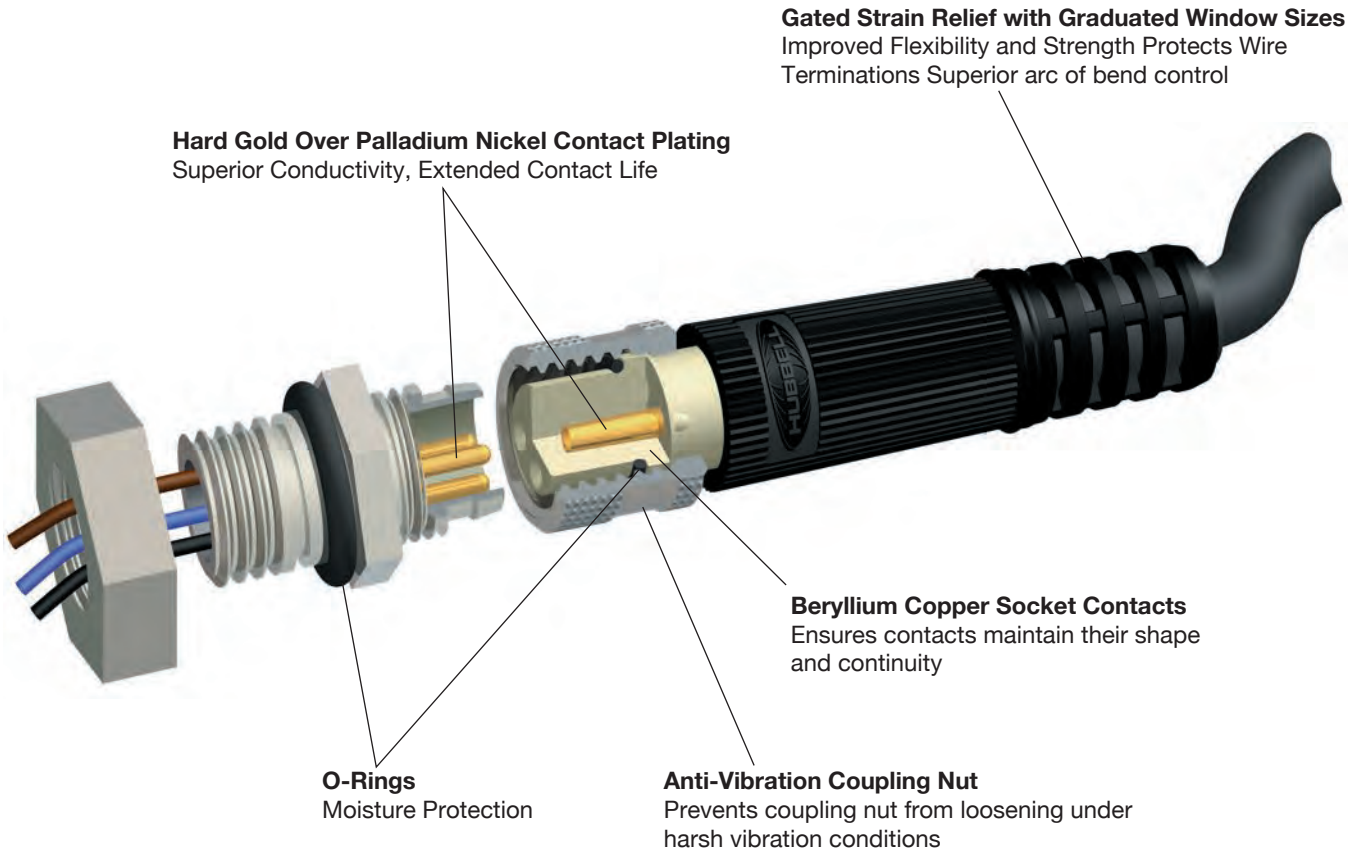
Housing	Polyester Elastomer, Black
Wire Guide	Nylon 6/6, Gray
Strain Relief Bushing	Neoprene, Black
Contact Materials	Copper Alloy
Contact Plating	Tin over Nickel
Coupling Nut	Zinc Alloy with Nickel Plating
O-ring	Neoprene, Black
Cable Compression Nut	Zinc Alloy with Nickel Plating

Electrical Specifications

Catalog Suffix	IDC	IDCL
Voltage Rating	32V AC/DC	50V AC/DC
Wire Range	#22 AWG max., #24 AWG min.	#18 AWG max., #22 AWG min.
Cable Diameters	.160" to .211" (4.1 to 5.3 mm)	.22" to .32" (5.6 to 8.1 mm)
Amperage	3A	6A
Contact Res.	< 5 mΩ	< 5 mΩ

Environmental Specifications

Ingress Protection	IP66 Suitability
Operating Temperature	-20°C to 110°C



Features

- Nickel plated brass coupling nuts and receptacle shells.
- Black overmold and cable.
- Insulgrip connector body design.
- UL Listed cable assemblies and receptacles.
- Plating resists corrosion in high abuse environments.

Benefits

- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Ergonomic connector body has an industrial look.
- Third party certified for electrical, mechanical and environmental performance.
- Cable assembly resists dirt and blends with environment giving a clean look to the installation.

Material Specifications

Insulator Materials	Nylon 6/6, White
Contact Materials	Pins - Brass, Sockets Sockets - Beryllium copper
Contact Plating	Hard gold over palladium/nickel
Overmold Material	Polyurethane, Black
Coupling Nut, Metallic	Nickel plated brass
Receptacle Shell	Nickel plated brass

Cable	#24 AWG -	PVC jacket, Black, PVC conductor insulation, Copper braid - 85% coverage, Stranding 19/36
	#24 AWG -	TPE jacket, Black, PVC conductor insulation, Stranding - 19/36
Strain Relief		20 pounds min per UL 2238

Electrical Specifications

Voltage Rating	125V AC/75V DC
Amperage	3&4P=4A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Operating Temperature	PVC Cable: -20° to 105° C TPE Cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD1344, Method 2005

Certifications

UL 2238 and UL50E, File No. E192071

CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94.2-07

Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

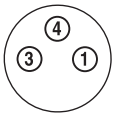
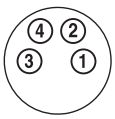
For example, catalog number **NCTA3105** is derived as follows:

DEVICE TYPE	RETENTION STYLE	BODY STYLE	POLES	CABLE TYPE	CABLE LENGTH (m)
NC = Plug, Female	**T** = Threaded, Locking **S** = Snap On	**A** = Right Angle **S** = Straight	3 4	**1** = #24 AWG PVC Cable **2** = #24 AWG TPE Cable	** 02 05 **Replace with Length
↓	↓	↓	↓	↓	↓
NC	**T**	**A**	**3**	**1**	**05**

Note: Availability of specific items may vary. Consult factory for delivery. Use this chart to build plugs to meet any application need. Consult the factory for additional cable lengths or cable types.

3 - 4 Pole Female Plugs

Catalog numbers using #24 AWG PVC cable are listed below. For #24 AWG TPE cable, change the cable type per the Hubbell Logic chart above.

Poles	Female Face Shown	Cable Length	Threaded, Locking		Snap Together	
			Straight	Right Angle	Straight	Right Angle
3		6.56 ft (2m) 16.40 ft (5m) All other lengths ⅄	**NCTS3102** **NCTS3105** **NCTS31****	**NCTA3102** **NCTA3105** **NCTA31****	**NCSS3102** **NCSS3105** **NCSS31****	**NCSA3102** **NCSA3105** **NCSA31****
4		6.56 ft (2m) 16.40 ft (5m) All other lengths ⅄	**NCTS4102** **NCTS4105** **NCTS41****	**NCTA4102** **NCTA4105** **NCTA41****	**NCSS4102** **NCSS4105** **NCSS41****	**NCSA4102** **NCSA4105** **NCSA41****

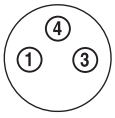
*Note: ⅄ Replace ** with length required in feet. For snap on retention style, replace "T" with "S" per the ordering chart above. Example: change NC**T**A3105 to NC**S**A3105.*

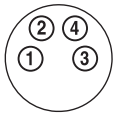
Hubbell Logic Configurator

For example, Catalog Number **NBCS3D** is derived as follows:

DEVICE TYPE	RETENTION STYLE	BODY STYLE	POLES	CONDUCTOR TYPE
NB = Receptacle, Male	**C** = Combination	**S** = Straight	3 4	**D** = 0.25m #24 AWG discrete wire
↓	↓	↓	↓	↓
NB	**C**	**S**	**3**	**D**

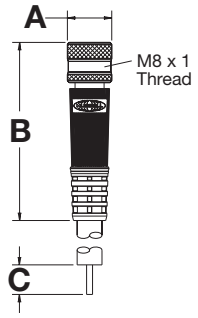
3 - 4 Pole Male Receptacles

Poles	Male Face Shown	Male Receptacle Rear Thread Style
		M8 x 1
3		**NBCS3D**

Poles	Male Face Shown	Male Receptacle Rear Thread Style
		M8 x 1
4		**NBCS4D**

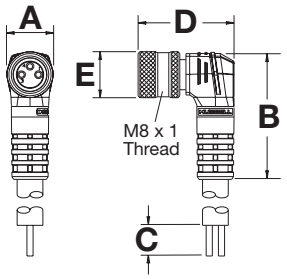
*Note: Replace ** with length required in feet.*

Straight Female Locking Plug



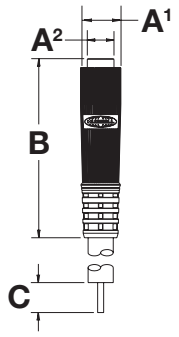
A	0.38" (9.7)
B	1.51" (38.4)
C	2.75" (69.9)

Right Angle Female Locking Plug



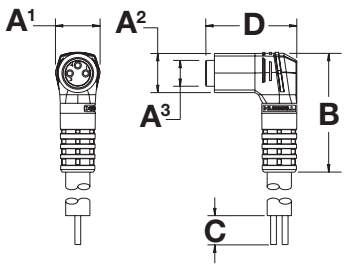
A	0.39" (9.9)
B	1.04" (26.4)
C	2.75" (69.9)
D	0.78" (19.8)
E	0.38" (9.7)

Straight Female Snap Together Plug



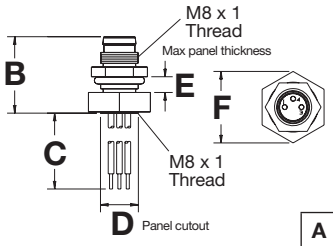
A1	0.34" (8.6)
A2	0.22" (5.6)
B	1.50" (38.1)
C	2.75" (69.9)

Right Angle Female Snap Together Plug



A1	0.39" (9.9)
A2	0.38" (9.7)
A3	0.22" (5.6)
B	1.04" (26.4)
C	2.75" (69.9)
D	0.79" (20.1)

Male Combination Receptacle



A	0.31" (7.9)
B	0.63" (16.0)
C	12.0" (304.8)
D	0.35" (8.8)
E	0.80" (2.0)
F	0.59" (15.0)

Cable Diameters By Cable Type

Number of Conductors	#24 AWG PVC	#24 AWG TPE
3	0.21" (5.3)	0.21" (5.3)
4	0.21" (5.3)	0.21" (5.3)

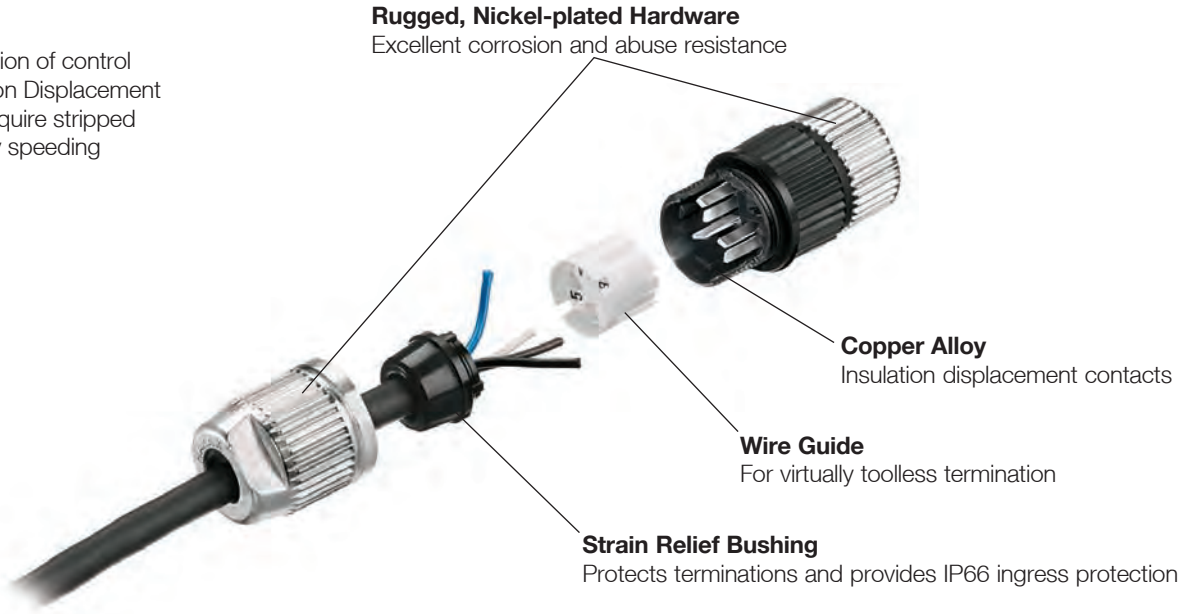
Conductor Color Code

Contact Number	3 Pole	4 Pole
1	Brown	Brown
2	Not Used	White
3	Blue	Blue
4	Black	Black

Dimensions in Inches (mm)

Field Attachable Connectors - IDC Style

Allows field installation of control connector. Insulation Displacement Contacts do not require stripped conductors, greatly speeding installation.



Nano-Quick® IDC

Poles	Male Face Shown Female - mirror image	Cable Range	Wire Gauge	Female Connector Straight	Male Connector Straight
3		.13"-.21" (3.3-5.3)	22 - 24	**NCTS13IDC**	**NITS13IDC**
4		.13"-.21" (3.3-5.3)	22 - 24	**NCTS14IDC**	**NITS14IDC**

NCTS13IDC

NITS13IDC

Material Specifications

Housing	Polyester Elasomer, Black
Wire Guide	Nylon 6/6, Gray
Strain Relief Bushing	Neoprene, Black
Contact Materials	Copper Alloy
Contact Plating	Tin over Nickel
Coupling Nut	Zinc Alloy with Nickel Plating
O-ring	Neoprene, Black
Cable Compression Nut	Zinc Alloy with Nickel Plating

Electrical Specifications

Voltage Rating	32VAC/DC
Wire Range	#22 AWG max., #24 AWG min.
Cable Diameters	.13" to .21" (3.3 to 5.3 mm)
Amperage	3A
Contact Resistance	< 5 mΩ

Environmental Specifications

Ingress Protection	IP66 Suitability
Operating Temperature	-20°C to 110°C

Dimensions in Inches (mm)

Cushioned Sensor Mounts

Sensor Mounts

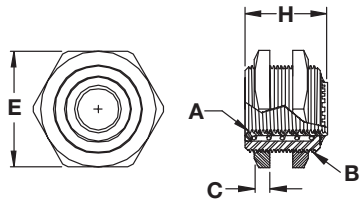
Install tubular proximity sensors with a Cushioned Sensor Mount and protect against over-travel damage. Reduces replacement expenses and downtime. Hubbell's Cushioned Sensor Mounts feature:

- Spring-loaded housing eliminates impact damage.
- Reduces downtime and replacement expenses.
- Reduces spare sensor inventories.
- Shielded and non-shielded end caps eliminate abrasion damage.
- Block style or threaded housing designs.
- Anodized aluminum or stainless steel.

When something out of the ordinary happens or targets over-travel, the sensor simply retracts to avoid damage. The sensor returns to its original position and the equipment continues to operate.

Material Specifications

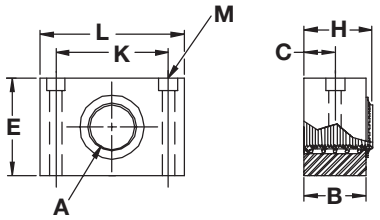
Material: Anodized aluminum housing
Zinc-plated brass jam nuts
CSM12LP is all Stainless Steel



Threaded Style

Threaded Style

Catalog Number	A	B	C	E	H
CSM8	M8 x 1	M16 x 1.5	0.12" (3.1)	0.87" (22.1)	0.87" (22.1)
CSM12LP	M12 x 1	M18 x 1	0.16" (4.1)	0.95" (24)	0.83" (21.1)
CSM18	M18 x 1	M30 x 1.5	0.20" (5.1)	1.41" (35.8)	1.17" (29.7)
CSM30	M30 x 1.5	M47 x 1.5	0.20" (5.1)	2.01" (51)	1.47" (37.3)



Block Style

Block Style

Catalog Number	A	B	C	E	H	K	L	M
BCSM8	M8 x 1	0.75" (19)	0.37" (9.5)	0.62" (15.8)	0.87" (22.1)	0.72" (18.4)	1.0" (25.4)	0.14" (3.6)
BCSM12	M12 x 1	0.75" (19)	0.37" (9.5)	1.0" (25.4)	0.87" (22.1)	0.98" (24.8)	1.5" (38.1)	0.20" (5.2)
BCSM18	M18 x 1	1.0" (25.4)	0.50" (12.7)	1.25" (31.7)	1.17" (29.7)	1.21" (30.7)	1.5" (38.1)	0.18" (4.6)
BCSM30	M30 x 1.5	1.38" (34.9)	0.68" (17.5)	2.0" (50.8)	1.47" (37.4)	2.03" (51.5)	2.5" (63.5)	0.26" (6.7)

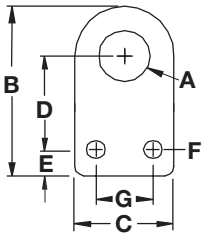
Dimensions in Inches (mm)

Flat and Right Angle Adjustable Brackets

Sensor Mounting Brackets

Eliminate design time and fabrication expense. Choose the Hubbell Angle Bracket or Flat Bracket to mount any tubular proximity sensor.

- Fixed mounting patterns or multi-slotted for positioning versatility.
- Industry standard mounting footprints.
- Rapid installation.
- Immediately available from stock.
- Cost savings over “make your own”.

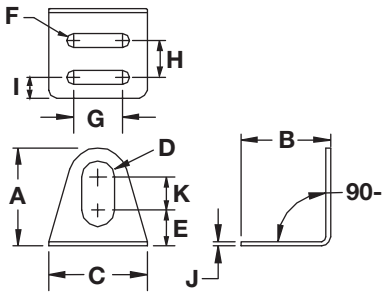


Material Specifications

Material: Stainless Steel

Flat Brackets

Catalog Number	A	B	C	D	E	F	G	Thickness
FB12	0.48" (12.1)	1.95" (49.6)	1.25" (31.8)	0.86" (21.8)	0.47" (11.9)	0.22" (5.54)	0.75" (19.1)	0.12" (3.02)
FB18	0.72" (18.2)	2.27" (57.6)	1.38" (34.9)	1.36" (34.6)	0.22" (5.56)	0.24" (6.05)	1.0" (25.4)	0.12" (3.02)
FB30	1.19" (30.1)	3.42" (86.9)	2.0" (50.8)	2.05" (52)	0.37" (9.40)	0.31" (7.94)	1.25" (31.8)	0.12" (3.02)

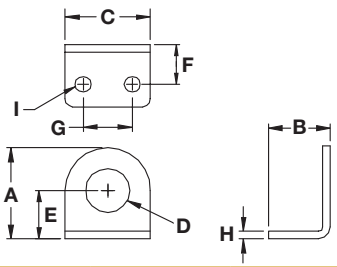


Material Specifications

Material: Stainless steel
Zinc-plated steel (AAB47)

Adjustable Angle Brackets

Catalog Number	A	B	C	D	E	F	G	H	I	J	K
AAB08	1.0" (25.4)	1.25" (31.8)	1.25" (31.8)	0.34" (8.74)	0.31 (7.92)	0.22" (5.54)	0.62" (15.9)	0.46" (11.9)	0.28" (7.14)	0.07" (1.78)	0.38" (9.53)
AAB12	1.5" (38.1)	1.37" (34.8)	1.5" (38.1)	0.50" (12.7)	0.55" (13.9)	0.22" (5.54)	0.75" (19.1)	0.56" (14.3)	0.31" (7.92)	0.07" (1.78)	0.50" (12.7)
AAB18	2.0" (50.8)	1.37" (34.8)	1.75" (44.5)	0.72" (18.3)	0.75" (19.1)	0.22" (5.54)	1.0" (25.4)	0.56" (14.3)	0.31" (7.92)	0.07" (1.78)	0.63" (15.9)
AAB22	2.0" (50.8)	1.37" (34.8)	1.75" (44.5)	0.88" (22.2)	0.69" (17.4)	0.22" (5.54)	1.0" (25.4)	0.56" (14.3)	0.31" (7.92)	0.07" (1.78)	0.63" (15.9)
AAB30	2.5" (63.5)	1.75" (44.5)	2.25" (57.2)	1.19" (30.1)	0.91" (23)	0.28" (7.11)	1.37" (34.8)	0.81" (20.6)	0.41" (10.3)	0.09" (2.29)	0.75" (19.1)



Material Specifications

Material: Stainless Steel

Angle Brackets

Catalog Number	A	B	C	D	E	F	G	H	I
AB12	1.16"" (29.3)	1.0"" (25.4)	1.25" (31.8)	0.48" (12.1)	0.53" (13.5)	0.53" (13.5)	0.75" (19.1)	0.12" (3.02)	0.22" (5.6)
AB18	1.47" (37.3)	1.0" (25.4)	1.38" (34.9)	0.48" (12.1)	0.53" (13.5)	0.78" (19.8)	1.0" (25.4)	1.12" (3.02)	0.24" (6.0)
AB30	2.13" (54.0)	1.50" (38.1)	2.00" (50.8)	1.19" (30.1)	1.13" (28.7)	1.13" (28.7)	1.25" (31.8)	0.12" (3.02)	0.31" (7.9)

Dimensions in Inches (mm)

End Caps and Block Mounts

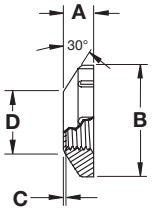
End Caps

- Use alone or with Cushioned Sensor Mount.
- Beveled edge deflects lateral impacts.
- Reduces and or eliminates abrasion damage.
- Reduces downtime and sensor replacement expenses.

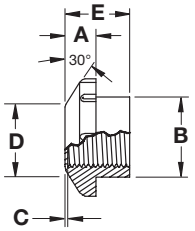
Specifications

Material: Delrin (Non-Shielded)
Glass-filled Nylon (Shielded)
Polypropylene (EC30)

Shielded



Non-Shielded



End Caps

Shielded	Style	A	B	C	D	E	Thread
EC08	8mm	0.21" (5.28)	0.60" (15.2)	0.015" (.38)	0.25" (6.45)	N/A	M8 x 1
EC12	12mm	0.25" (6.35)	0.96" (24.4)	0.015" (.38)	0.45" (11.4)	N/A	M12 x 1
EC18	18mm	0.33" (8.38)	1.23" (31.3)	0.03" (.76)	0.73" (17.5)	N/A	M18 x 1
EC30	30mm	0.30" (7.62)	1.72" (43.7)	0.03" (.76)	1.13" (28.6)	N/A	M30 x 1
Non-Shielded							
EC08N	8mm	0.20" (5.08)	0.57" (14.5)	0.015" (.38)	0.25" (6.45)	0.37" (9.50)	M8 x 2
EC12N	12mm	0.25" (6.35)	0.90" (22.9)	0.03" (.76)	0.45" (11.4)	0.68" (17.3)	M12 x 1
EC18N	18mm	0.33" (8.38)	1.34" (34.0)	0.025" (.64)	0.67" (17.0)	0.70" (17.8)	M18 x 1
EC30N	30mm	0.31" (7.87)	1.75" (44.5)	0.04" (1.02)	1.15" (29.2)	0.90" (22.9)	M30 x 1

Note: The wear surface thickness (Dimension C) does not reduce a sensor's sensing range, but will consume an equal amount of the gap required between the sensor and target.

Block Mounts

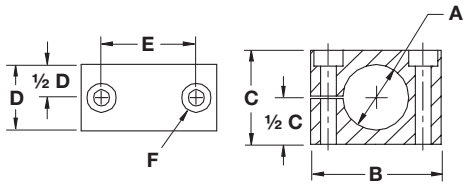
Bond to sensor face with any epoxy.

- Use when threads are inaccessible.
- Reduces and/or eliminates abrasion damage.
- Reduces downtime and sensor replacement expenses.

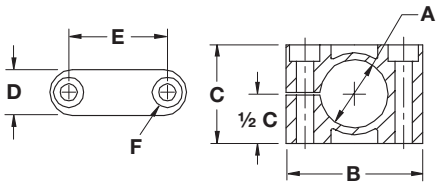
Specifications

Material: Glass-filled Nylon
Anodized aluminum

Metallic



Nylon



Block Mounts

Metallic	Style	A	B	C	D	E	F
BM08M	8mm	0.32" (8.05)	0.62" (15.8)	1.0" (25.4)	0.75" (19.0)	0.72" (18.4)	0.14" (3.58)
BM12M	12mm	0.48" (12.1)	1.0" (25.4)	1.5" (38.1)	0.75" (19.0)	0.98" (24.9)	0.20" (5.08)
BM18M	18mm	0.71" (18.1)	1.25" (31.7)	1.5" (38.1)	1.0" (25.4)	1.21" (30.7)	0.18" (4.58)
BM30M	30mm	1.19" (30.1)	2.0" (50.8)	2.5" (63.5)	1.38" (34.9)	2.03" (51.5)	0.26" (6.73)
Nylon							
BM08N	8mm	0.32" (8.05)	1.06" (27)	0.63" (16)	0.47" (12)	0.67" (17)	0.18" (4.5)
BM12N	12mm	0.48" (12.1)	1.26" (32)	0.79" (20)	0.47" (12)	0.87" (22)	0.18" (4.5)
BM16N	16mm	0.63" (16.1)	1.42" (36)	1.02" (26)	0.47" (12)	1.02" (26)	0.18" (4.5)
BM18N	18mm	0.71" (18.1)	1.42" (36)	1.02" (26)	0.47" (12)	1.02" (26)	0.18" (4.5)
BM20N	20mm	0.79" (20.1)	1.77" (45)	1.18" (30)	0.59" (15)	1.26" (32)	0.22" (5.5)
BM22N	22mm	0.87" (22.1)	1.77" (45)	1.18" (30)	0.59" (15)	1.26" (32)	0.22" (5.5)
BM30N	30mm	1.18" (30.1)	2.17" (55)	1.50" (38)	0.71" (18)	1.65" (42)	0.22" (5.5)

Dimensions in Inches (mm)

Universal Aiming Brackets

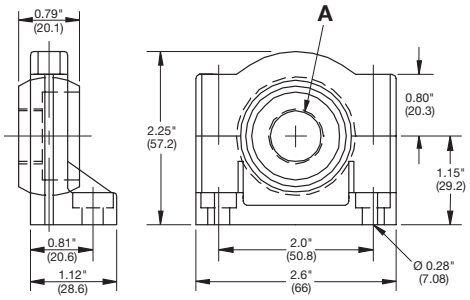
Attach limit switch style (30mm threaded base) or threaded barrel photoelectric and ultrasonic sensors. Achieve secure mounting quickly and with ease.

- Swivel action for aiming simplicity.
- Durable glass-filled nylon construction.
- Regular or extended base models.
- Sizes for 12, 18 and 30mm threaded sensors.

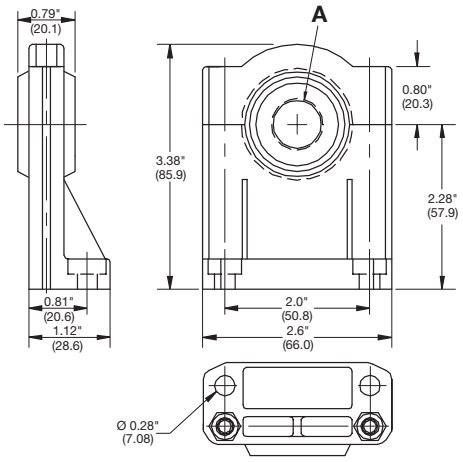
Material Specifications

Material:	Glass-filled Nylon

Bracket, Standard



Bracket, Extended



Universal Aiming Brackets

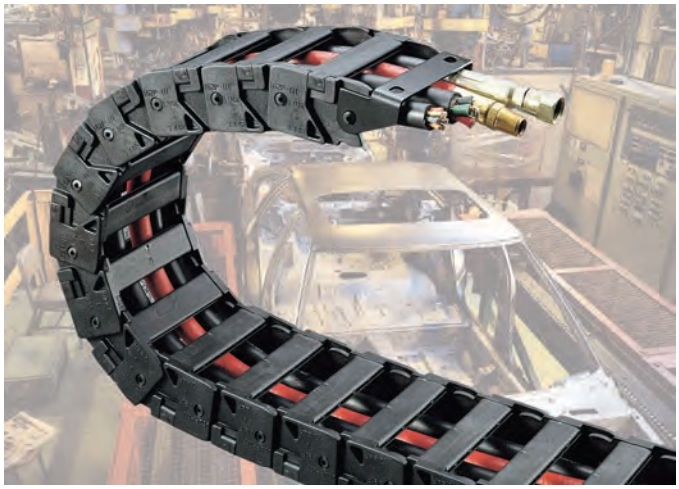
Catalog Number	Style	Description	Thread
UB12	12mm	Bracket	M12 x 1
UB12E	12mm	Bracket, Extended Base	M12 x 1
UB18	18mm	Bracket	M18 x 1
UB18E	18mm	Bracket, Extended Base	M18 x 1
UB30	30mm	Bracket	M30 x 1.5
UB30E	30mm	Bracket, Extended Base	M30 x 1.5

Dimensions in Inches (mm)

The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.

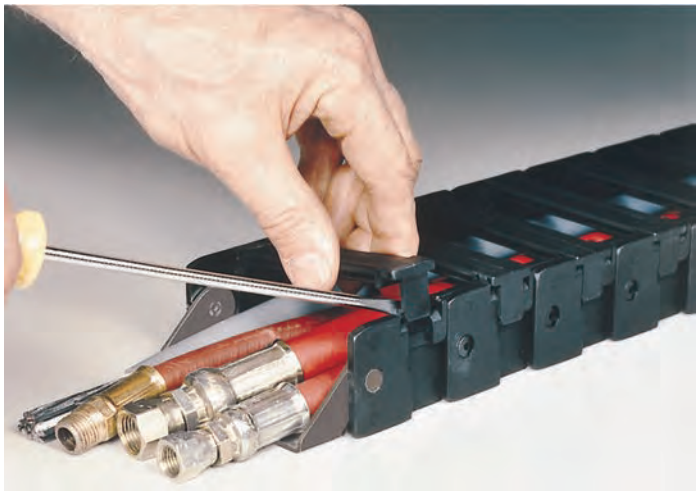
CableTrak® Installation

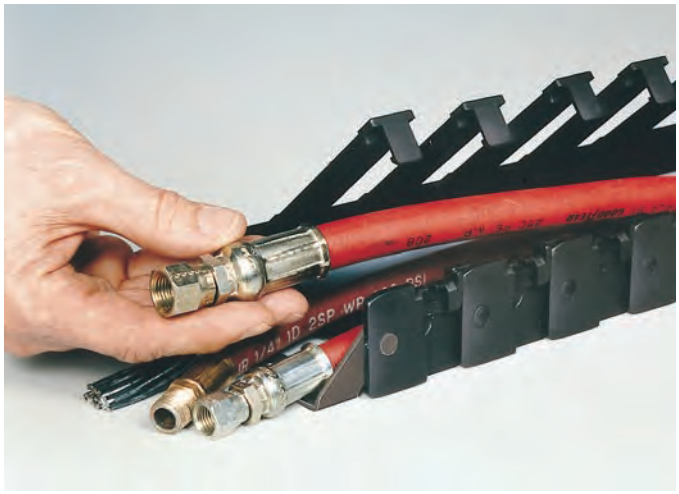
1. Unlock Tab.
2. Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.

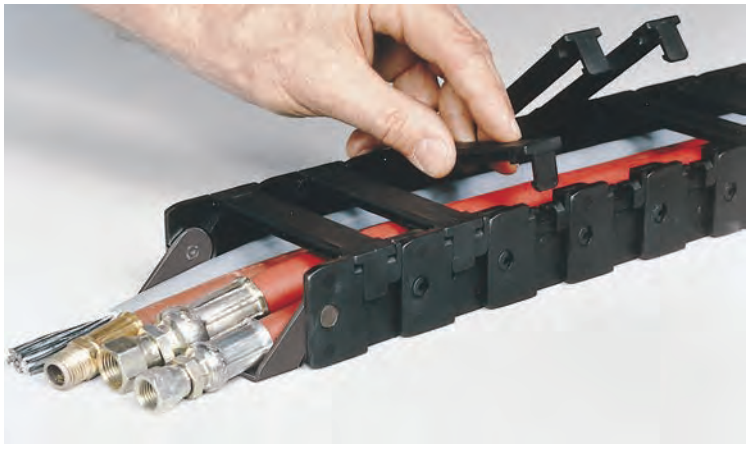


Access/Install Cables and Hoses

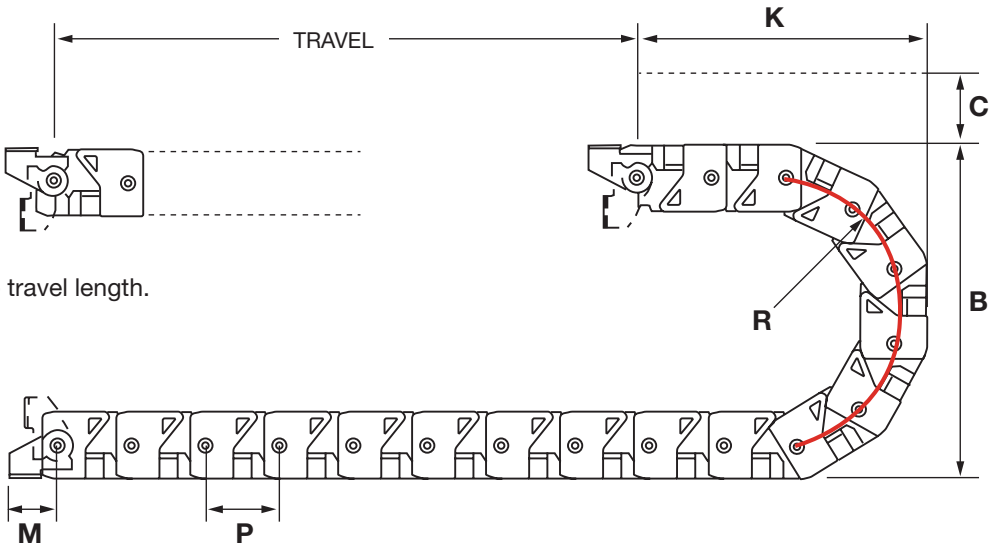
3. Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.
4. Lock Tab.
5. To re-secure retaining bars, engage the hinge and snap the locking tab into place.



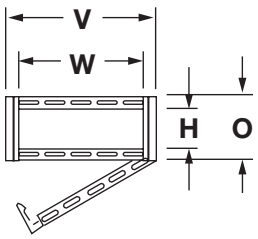




CableTrak® Kit With and Without Brackets



End Mounting:
Track travel length = Machine travel length.



CableTrak® Kit with Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	K Min Brkt to Bend	M Brkt to Pivot	P Pitch	L* Curve Length (ft)
HCT10114K**	4.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	5.68"	1.33"	1.250"	1.000'
HCT10219K**	4.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	5.41"	1.33"	1.250"	1.000'
HCT16119K	4.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16134K	4.5'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16219K	4.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16234K	4.5'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16334K	4.5'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16434K	4.5'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT25134K	4.5'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25234K	4.5'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25247K	5.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'
HCT25347K	5.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'

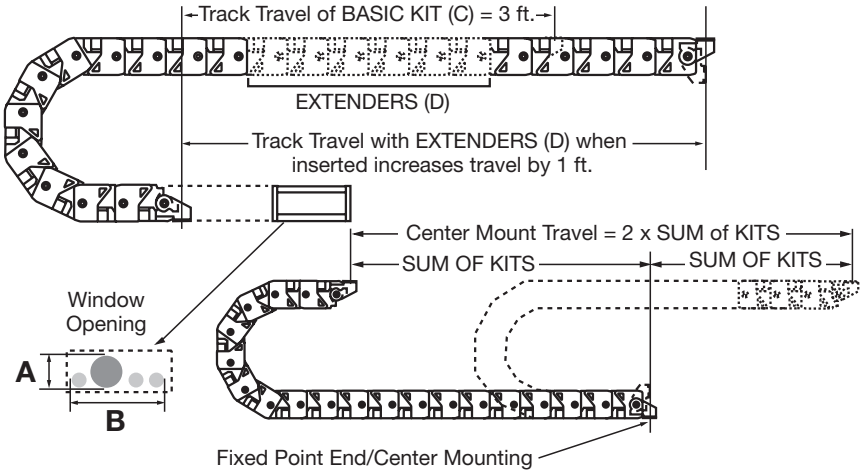
CableTrak® Kit without Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	P Pitch	L* Curve Length (ft)
HCT101141**	1.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	1.250"	1.000'
HCT102191**	1.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	1.250"	1.000'
HCT161191	1.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT161341	1.0'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT162191	1.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT162341	1.0'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT163341	1.0'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT164341	1.0'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT251341	1.0'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252341	1.0'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252471	1.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'
HCT253471	1.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'

*Note: *L = Minimum length in feet to form CableTrak curve.*
***These models do not have a flip top design and do not accept separators due to their small size.*

Dimensions in Inches (mm)

Center Mounting: Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.



Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L
End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet
MT = Total machine travel distance in feet
L = Length of track taken up by the bend radius

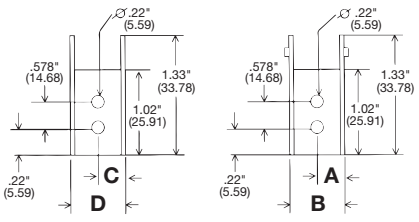
Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.

CableTrak® Accessories

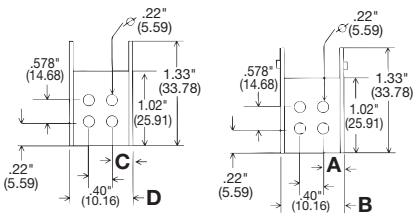
Bracket Kits	For Use With	A	B	C	D	E	F	G	H
HCTBK101	HCT101 Series	.40" (10.2)	.81" (20.6)	.47" (12.0)	.94" (23.9)	–	–	–	–
HCTBK102	HCT102 Series	.44" (11.2)	1.22" (31.0)	.44" (11.2)	1.35" (34.3)	–	–	–	–
HCTBK161	HCT161 Series	.99" (25.2)	1.97" (50.1)	.87" (22.1)	1.84" (46.7)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK162	HCT162 Series	1.78" (45.2)	2.75" (69.9)	1.65" (41.9)	2.63" (66.8)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK163	HCT163 Series	2.57" (65.3)	3.55" (90.2)	2.44" (62.0)	3.42" (86.9)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK164	HCT164 Series	3.56" (90.4)	4.53" (115.1)	3.47" (88.1)	4.41" (112.0)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK251	HCT251 Series	2.08" (52.8)	3.21" (81.5)	1.80" (45.7)	3.03" (77.0)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK252	HCT252 Series	3.74" (95.0)	4.87" (123.7)	3.46" (87.9)	4.69" (119.1)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK253	HCT253 Series	6.08" (154.4)	7.21" (183.1)	5.80" (147.3)	7.03" (178.6)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
Separators	For Use With	A	B	C	D	E	F		
HCTSP16PK12	HCT16 Series	1.24" (31.5)	.82" (20.8)	.94" (23.9)	.27" (6.9)	.14" (3.6)	.50" (12.7)		
HCTSP25PK12	HCT25 Series	2.03" (51.6)	1.00" (25.4)	1.19" (30.2)	.35" (8.9)	.15" (3.8)	.62" (15.8)		

HCTBK101 – Brackets



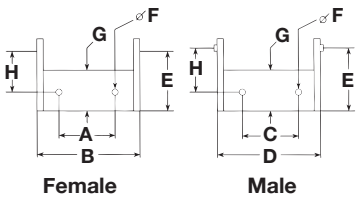
Female **Male**

HCTBK102 – Brackets



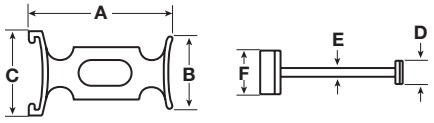
Female **Male**

HCTBK161 – HCTGK253 Brackets



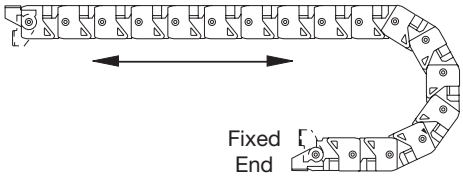
Female **Male**

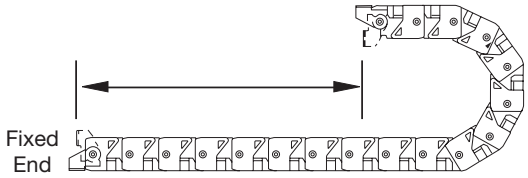
Separators



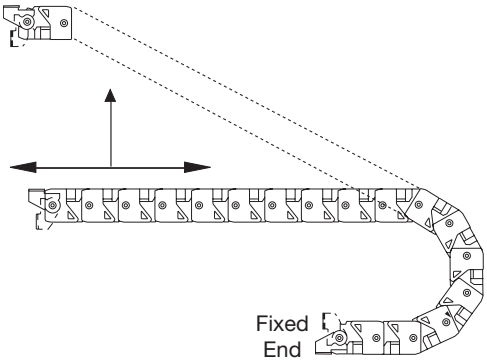
Dimensions in Inches (mm)

Horizontal Travel

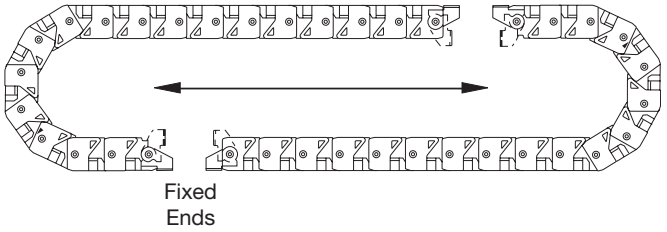




Combination Horizontal & Vertical Travel

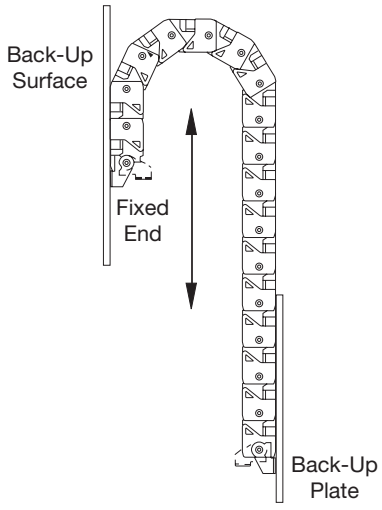


Opposed Travel

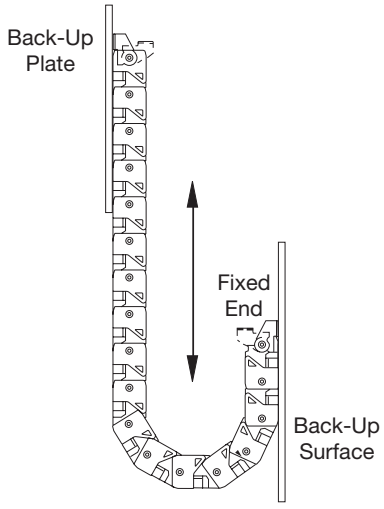


Vertical Travel

Curve Up



Curve Down



Specifications

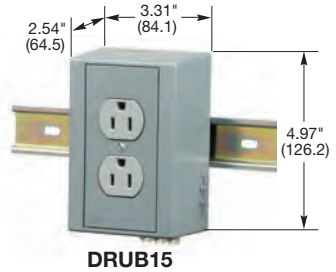
Material	Fiberglass reinforced nylon.
Operating Temperature	Continuous +20°F to +100°F (-7°C to 38°C). Intermittent* -40°F to +220°F (-40°C to 104°C).
Maximum Operating Speed	600 FPM (feet per minute), 180 MPM (meters per minute). Operating speed is based on short lengths that are self supported (up to 9ft.).
Maximum Unsupported Travel Distance	HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m). HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m).
Applications	Machine tool, robotic automation, material handling.

*Note: *Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.*

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

Duplex Receptacles

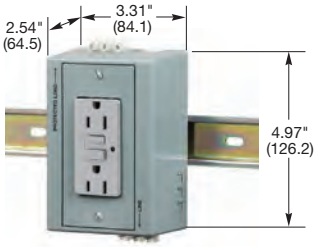
Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Complete unit.	Gray	**DRUB15**	**DRUB20**
Complete unit, horizontal mount.	Gray	**DRUB15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUB15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUB15HCB5**	–
Complete unit with aux.	Gray	–	**DRUB20AC**
Complete unit with aux and 5A circuit breaker.	Gray	–	**DRUB20ACCB5**
Complete unit with NEMA® 6-20R duplex (250V).	Gray	–	**DRUB5462***



DRUB15

GFCI Duplex Receptacles

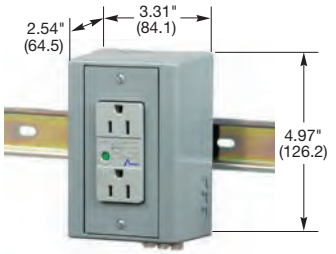
Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBGFI15**	**DRUBGFI20**
Complete unit, horizontal.	Gray	**DRUBGFI15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUBGFI15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUBGFI15HCB5**	–
Complete unit with aux GFCI contacts.	Gray	**DRUBGFI15AC**	**DRUBGFI20AC**
Complete unit, faceless with aux GFCI contacts.	Gray	–	**DRUBGFI20BFAC**



DRUBGFI15AC

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBTVSS15**	–



DRUBTVSS15

Isolated Ground△ Duplex Receptacles

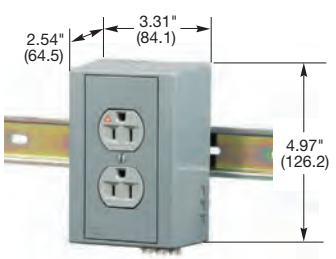
Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBIG15**	–

Toggle Switch Unit

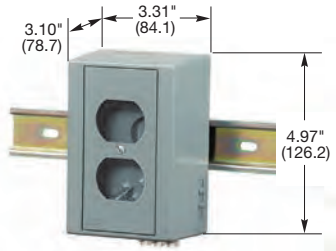
Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	**DRUB1221AC**
Complete unit with 15A 125V SW/REC.	Gray	**DRUB6404**

DIN Rail Utility Box Components

Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	**DRUBKIT**
Pre-wired kit with circuit breaker.	Gray	**DRUBKITCB5**
Pre-wired kit with aux.	Gray	**DRUBKITAC**
Pre-wired kit with circuit breaker and aux.	Gray	**DRUBKITACCB5**
Communications kit (unloaded).	Gray	**HIDRUBCKIT**
(For use with Network Wiring frames in section W).		
Switch plate only.	Gray	**KP1GY****
Rectangular opening plate only.	Gray	**KP26GY****
1.60 in. opening plate only.	Gray	**KP720GY****
1.40 in. opening plate only.	Gray	**KP7GY****
Duplex receptacle plate only.	Gray	**KP8GY****



DRUBIG15



HIDRUBCKIT

Note: △See section M for additional information on isolated ground devices.
**DRUB5462 configuration not pictured.*
***UL Listed, CSA Certified.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Dimensions in Inches (mm)

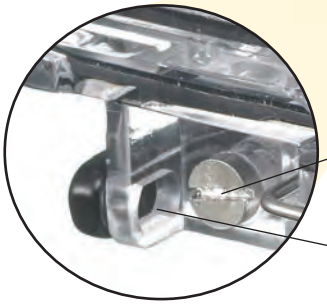
Available in NEMA TYPE 4, 12 and NEMA TYPE 4X Versions!

Hubbell GFCI with Functionality Indicator

Protective clear cover

Cat. 5e Ethernet access*

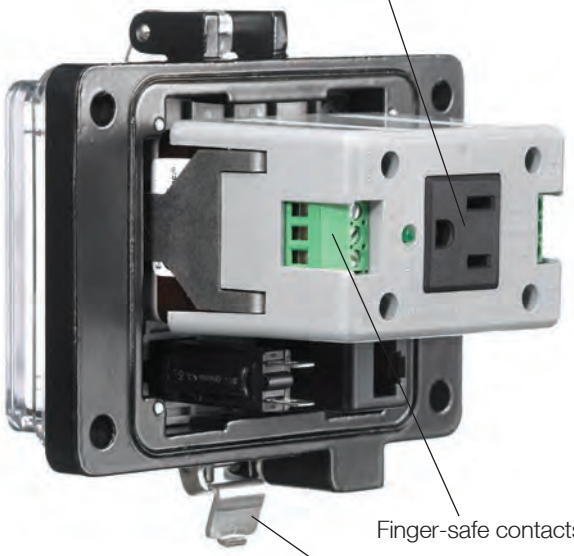
Overcurrent protection



Supplemental "Tool" entry screw closure

Locking Hasp accepts 5⁄32" padlock

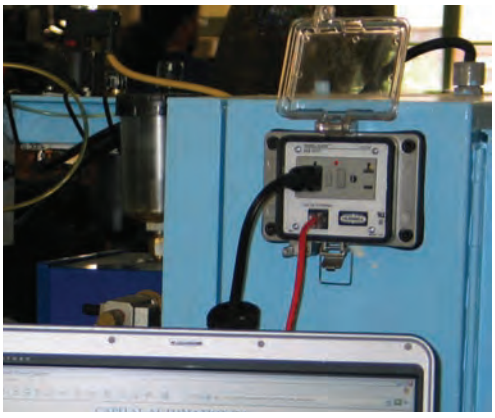
Additional convenience outlet on GFCI versions



Finger-safe contacts

Stainless steel snap latch

Application



*Note: *Additional computer interfaces and PLC connections available upon request.*

Specifications

Electrical	GFCI - conforms to UL 943 2006 requirement In-Cabinet Receptacle - GFCI protected Data Jack - Cat. 5e Circuit Breaker - 3A	Environmental	Enclosure - NEMA Type 4, 12 and NEMA Type 4X
Mechanical	Cover - Clear Polycarbonate (UV Rated) Housing - Cast Aluminum Finish - Powder Coat Latch - Stainless steel	Certification	UL Recognized CSA Certified

Power Only

Description	NEMA TYPE 4, 12	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle.	**PR20**	—

PR20

Data Only

Description	NEMA TYPE 4, 12	NEMA TYPE 4X
Cat. 5e Ethernet Access only.	**P5E**	**P4X5E**
DB9 Interface Connector only.	**PDB9**	—
PANEL-SAFE Data Port with DB9 Connector.	**PDB9MF**	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet.	**PDH5E**	—
PANEL-SAFE Data Port, 2 USBA, 3' Cable.	—	**P4XUSBA2C3**

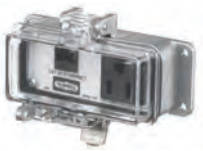
P5E

Power and Data

Description	NEMA TYPE 4, 12	NEMA TYPE 4X
20A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access.	**PR205E**	**PR4X205E**
20A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**PR205EB**	**PR4X205EB**
PANEL-SAFE with 20A GFCI and Cat.5E, DB9 and 3A Circuit Breaker.	**PR205EDB9B**	—
PANEL-SAFE with 20A GFCI and Cat.5E, 1 USB.	**PR205EUSBA**	—
PANEL-SAFE with 20A GFCI and Cat.5E, 2 USB.	**PR205EUSBA2**	—
PANEL-SAFE Data Access Port.	**PR205EUSBA2VGA**	—
20A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din).	**P20DH5E**	—
PANEL-SAFE with 20A GFCI and Cat.5/DB9.	**P205EDB9**	—
15A 125V Power and Cat. 5e Ethernet Access.	**P155E**	**P4X155E**
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**P155EB**	**P4X155EB**
15A 125V Power and (2) Cat. 5e Ethernet Access.	**P155E2**	—
15A 120V AC Power, NEMA 12/4, DB9 M/F, 10' Cable.	**P15DB9MFC10**	—
15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10' Cable).	**P15DH485C10**	—
15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10' Cable.	**P15ML8F8MC10**	—

PR205E

PR205EB



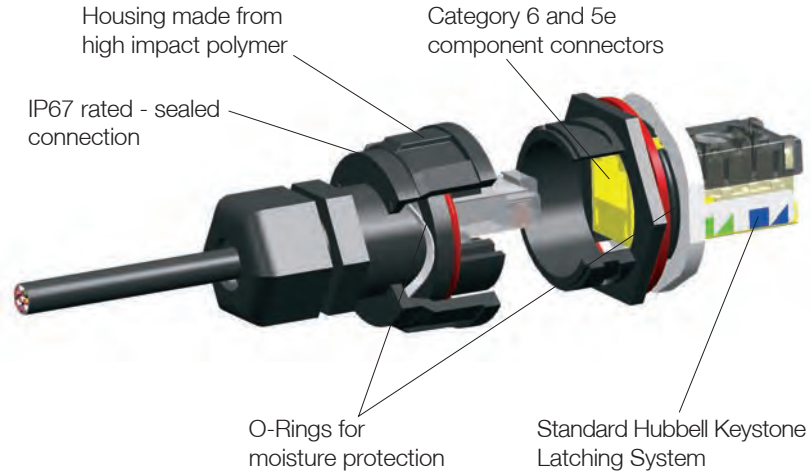
P155E

P155EB

Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.



AE

EE

AA

HICH

HIC

HISF11

Industrial Ethernet Connectors

Description	Catalog Number
Cat. 5e Connector	**HI5E**
Cat. 6 Connector	**HI6**
Cat. 5e Inline Coupler Connector	**HI5EC**
Cat. 6 Inline Coupler Connector	**HI6C**

Environmental Specifications

Ingress Protection:	NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates).
Corrosion:	Resistant to most common chemicals, oils and cleaning agents.
HI-Impact Housing:	UV resistant.
HI-Impact Housing Temperature Range:	TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-Impact Housing:	Valox®, UL 94V-0.
Nose Contacts:	Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration	
Frequency Range:	10-500Hz.
Acceleration:	5g (operational).
Mating Cycles:	750 minimum.
UL 1863 compliant.	

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e). Supports TIA-1005 Industrial Telecommunications Infrastructure.

Industrial Ethernet Patch Cords and Plugs

Description	Catalog Number
HI-Impact RJ-45 to standard RJ-45.	**HI6xxAE**
HI-Impact RJ-45 on both ends.	**HI6xxEE**
Standard RJ-45 on both ends.	**HI6xxAA**

Note: Substitute "xx" with 03, 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 to indicate length in feet.

Coupler Housing and Connector Cap

Description	Catalog Number
HI-Impact coupler housing is a perfect solution for temporary and flexible work areas where single port drops are needed. Add any HI-Impact connector to support your application.	**HICH**
Connector Cap	**HIC**

HI-Impact Wallplates

Description	Port Openings	Gang	Catalog Number
Stainless steel wallplate.	1	1	**HISF11**
Stainless steel wallplate.	2	1	**HISF12**
Stainless steel wallplate.	2	2	**HISF22**
Stainless steel wallplate.	4	2	**HISF24**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Section J
Cable, Cord and Hose Reels

Index

Product	Page
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Industrial Power Cord Reels	J-3
Industrial and Commercial Lighted Cord Reels	J-4
Commercial Cord Reels	J-5
Air/Water Hose Reels and Static Discharge Reels	J-6

Weatherproof Reels

Industrial Reels

Commercial Reels

Air/Water Hose Reels and Static Discharge Reels

Multi-position roller guide can be mounted in four different positions

Ratchet lock can be disengaged in field for constant tension application

Powder coated, solid steel construction

UL Type 4X enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion

Optional pivot base allows 340° rotation of reel and increases range of cable to nearly any direction

HBL501242W

Weatherproof Cable Reels, 50 Ft. (15.2m)

HBL501242W

Description	Cable Type	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
14" weatherproof reel.	14/3 SOW-A	15	600	55 (24.9)	**HBL501431W***
16" weatherproof reel.	12/3 SOW-A	20	600	80 (36.3)	**HBL501232W***
16" weatherproof reel, (white reel housing).	12/3 SOW-A	20	600	80 (36.3)	**HBL501232WM1***
16" weatherproof reel.	12/4 SOW-A	16	600	86 (39.0)	**HBL501242W***
16" weatherproof reel.	10/3 SOW-A	25	600	86 (39.0)	**HBL501032W***
16" weatherproof reel, (white reel housing).	10/3 SOW-A	25	600	86 (39.0)	**HBL501032WM1***
16" weatherproof reel.	10/4 SOW-A	20	600	92 (41.7)	**HBL501042W***

*Note: *All weatherproof cable reels are supplied with wire leads and ¾" NPT hub feed. Power supply cable not supplied.*

Accessories

HBL14PB

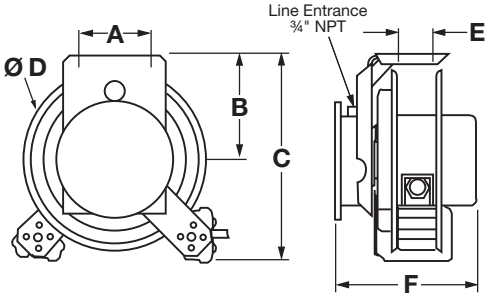
Description	Weight Lbs. (kg)	Description
14" pivot base.	5 (2.3)	**HBL14PB**
16" pivot base.	13 (5.9)	**HBL16PB**
Replacement stop.	.2 (.09)	**HBLWPBS**

Specifications

Listing/Certification	UL 355 and CSA, C22.2 No. 21.
Environment	Type 4X enclosure, CAN/CSA - C22.2 No. 21. Dry, indoor and wet and damp outdoor non-hazardous location.

Dimensions

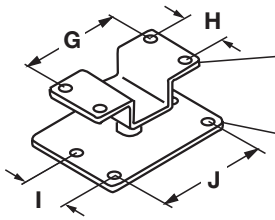
Inch (mm)	A	B	C	D	E	F	G	H	I	J
14" Reel	6.50" (165)	8.12" (206)	16.25" (413)	13.75" (349)	3.00" (76)	12.19" (310)	3.00" (76)	3.00" (76)	3.00" (76)	6.50" (165)
16" Reel	6.50" (165)	9.12" (232)	18.25" (464)	15.75" (400)	3.00" (76)	14.19" (360)	6.00" (152)	6.00" (152)	4.94" (125)	6.50" (165)



Dimensions in Inches (mm)

Pivot Base

340° Pivot Base (Optional)



Mounting Surface 4 Holes
14" 0.44 (11) diameter
16" 0.53 (13) diameter

Reel Base 4 Holes
14" 0.47 (12) diameter
16" 0.53 (13) diameter

Note: Pivot base for use only with Weatherproof Cable Reel.

HBL45123TL20

Industrial Power Cord Reels

Cord End	Cable Feet (m)	Cable Type	NEMA Style	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
Without cord ends.	50 (15.2)	16/3 SJEO	—	10	125	20 (9.1)	**HBL50163**
Without cord ends.	45 (13.7)	12/3 SJEO	—	20	125	21 (9.5)	**HBL45123**
HBL5269C connector.	45 (13.7)	12/3 SJEO	5-15R	15	125	28 (12.7)	**HBL45123C**
HBL5369C connector.	45 (13.7)	12/3 SJEO	5-20R	20	125	28 (12.7)	**HBL45123C20**
HBL5369C connector, (white reel housing).	45 (13.7)	12/3 SJEO	5-20R	20	125	28 (12.7)	**HBL45123C20W**
HBL2313 connector.	45 (13.7)	12/3 SJEO	L5-20R	20	125	28 (12.7)	**HBL45123TL20**
HBL2313 connector, (white reel housing).	45 (13.7)	12/3 SJEO	L5-20R	20	125	28 (12.7)	**HBL45123TL20W**
Portable outlet box with (1) gray duplex receptacle.	45 (13.7)	12/3 SJEO	5-15R	15	125	29 (13.2)	**HBL45123R**
	45 (13.7)	12/3 SJEO	5-20R	20	125	29 (13.2)	**HBL45123R20**
Same as above except white.	45 (13.7)	12/3 SJEO	5-20R	20	125	29 (13.2)	**HBL45123R20W**
Portable outlet box with (2) gray duplex receptacle.	45 (13.7)	12/3 SJEO	5-20R	20	125	29 (13.2)	**HBL45123R220**
Same as above except white.	45 (13.7)	12/3 SJEO	5-20R	20	125	29 (13.2)	**HBL45123R220W**
Black portable outlet box with (1) gray duplex receptacle, (white reel housing).	45 (13.7)	12/3 SJEO	5-20R	20	125	29 (13.2)	**HBL45123R20WM1**
Portable outlet box with (1) ground fault protected gray duplex receptacle.	45 (13.7)	12/3 SJEO	5-15R	15	125	29 (13.2)	**HBL45123GF15**
	45 (13.7)	12/3 SJEO	5-20R	20	125	29 (13.2)	**HBL45123GF20**

Note: 15 Amp: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug. 20 Amp: Supplied with 5 ft. power supply cord with HBL5366C, 20A straight blade plug. Ground fault protected reels supplied with (1) GFM20 and (1) HBLP26FS.

HBL45123C

HBL45123TL20

HBL45123R

HBL45123R20WM1

HBL45123GF15

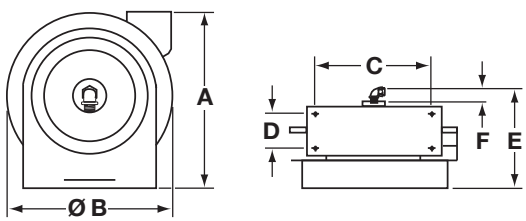
HBL340PB

Accessories

Description	Weight Lbs. (kg)	Catalog Number
Pivot base 340° rotation fits all industrial models.	5 (2.3)	**HBL340PB**
Replacement stop.	.2 (.09)	**HBL12BS**

Dimensions

Inch (mm)	A	B	C	D	E	F
	13.00" (330)	12.38" (314)	8.00" (203)	2.50" (64)	9.75" (248)	1.25" (32)



Note: All models have four .625" (15.9) diameter mounting holes.

Listing/Certification

UL 355
CSA C22.2 No. 21.

Environment

Dry, indoor, non-hazardous locations.

Mounting Positions

Wall mount.
Ceiling mount.
Bench mount.

Dimensions in Inches (mm)

Industrial and Commercial Lighted Cord Reels

HBL50162LED

HBL50162FL

HBL50163IN

HBLC25143IN

HBLC40182AFL

HBLC40163FL

Industrial Lighted Cord Reels, 50 Ft. (15.2m) - 16/3 AWG SJEO Cable

Cord End	Watts (Max)	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
LED hand lamp, with end light.	8 + 1	0.07	120	21 (9.5)	**HBL50162LED**
Fluorescent hand lamp.	13	0.3	120	21 (9.5)	**HBL50162FL**
Incandescent hand lamp.	100	0.8	125	21 (9.5)	**HBL50163IN**

Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug.

Accessories

Description	Watts (Max)	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
Replacement stop.	—	—	—	.2 (.09)	**HBL16BS**
Replacement LED hand lamp.	8 + 1	0.07	120	1 (.5)	**HBL16LEDR***
Replacement fluorescent hand lamp.	13	0.3	120	1 (.5)	**HBL16FLR**
Replacement incandescent hand lamp.	100	0.8	125	1 (.5)	**HBL16INR**

*Note: *ETL Listed by INTERTEK.*

Commercial Lighted Cord Reels

Description	Cable Feet (m)	Cable Type	Watts (Max)	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
Reel with non-metallic incandescent hand lamp and automatic shut off switch, yellow.	25 (7.6)	16/3 SJT	75	0.6	125	9.0 (4.1)	**HBLC25163AIN****
Reel with metallic incandescent hand lamp with receptacle, yellow.	25 (7.6)	14/3 SJT	1,625	13	125	9.5 (4.3)	**HBLC25143IN**
Reel with fluorescent hand lamp and automatic shut off switch, white.	40 (12.2)	18/2 SJTOW	13	0.3	120	8.2 (3.7)	**HBLC40182AFL****
Reel with fluorescent hand lamp and inline receptacle, white.	40 (12.2)	16/3 SJT	1,200	10	120	9.0 (4.1)	**HBLC40163FL**

*Note: **Allows the electrical cord reel installation to conform to Article 511 of the National Electric Code concerning installation of electrical devices in commercial garages, repair facilities and storage locations by positioning the switch above the defined area where hazardous fumes may collect.*

INTERTEK and the Intertek logo are registered trademarks of Intertek Group plc.

Compact size, flexible mounting options for ceiling, wall or bench

Durable steel construction for commercial and general purpose applications

Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord

Attached plug for power cord requires no wiring

HBLC25163C

HBLC40123TT

Removable bracket allows reel to be dis-engaged from mount providing portability

Durable light weight non-metallic housing

40 Ft. of 12/3 cord for greater current carrying capacity

Triple tap outlet with supplemental over current protection

Commercial Cord Reels

Description	Cable Feet (m)	Cable Type	Watts (Max)	Amps	Volts AC	Weight Lbs. (kg)	Catalog Number
Reel with triple tap outlet, black.	40 (12.2)	12/3 SJTW	1,875	15	125	9.0 (4.1)	**HBLC40123TT**
Reel with wire leads, black.	40 (12.2)	12/3 SJTW	1,875	15	125	9.0 (4.1)	**HBLC40123**
Reel with triple tap outlet, white.	30 (9.1)	16/3 SJT	1,250	15	125	8.5 (3.9)	**HBLC30163TT**
Reel with a Hubbell HBL5969VBLK connector, yellow.	25 (7.6)	16/3 SJT	1,250	10	125	8.5 (3.9)	**HBLC25163C**
Reel with wire leads, yellow.	25 (7.6)	16/3 SJT	1,250	10	125	8.5 (3.9)	**HBLC25163***

Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.
**UL Listed only.*

HBLC40123TT

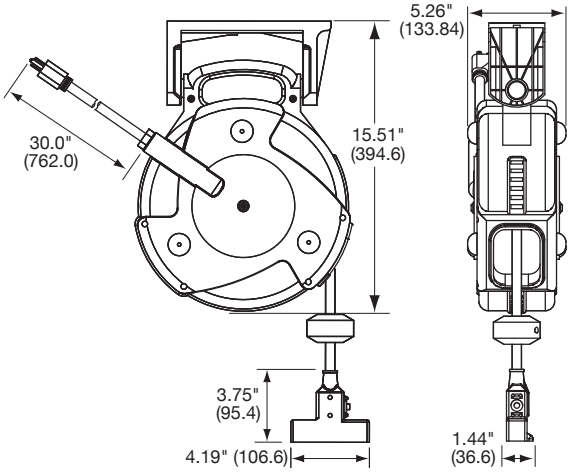
HBLC25163C

Specifications

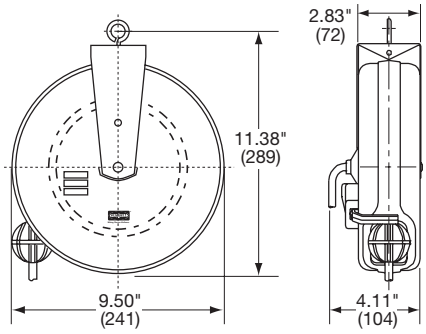
Listing/Certification	UL 355.
Environment	Dry, indoor, non-hazardous locations.
Incandescent Lamp	75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle.
Fluorescent Lamp	10A/1200W max. with in-line receptacle; 13 watt without receptacle.

Dimensions

Triple Tap



All Other Commercial Reels excluding Triple Tap



Dimensions in Inches (mm)

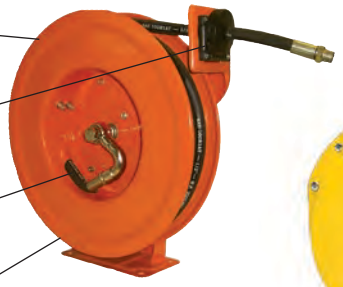
Air/Water Hose Reels and Static Discharge Reels

Spring rewind and ratchet lock

Multi-position four roller guide and adjustable hose stop

Full flow shafts and swivels assure maximum product delivery

Constructed of rugged steel, baked polyester finish components



HBLHR2535

HBL50SD

Steel construction

Compact design minimizes required installation space

Available with steel or nylon coated steel cable

Large grounding jaw clamp provides low resistant ground termination

Air/Water Hose Reels

HBLHR2535

Description	Cable Feet (m)	Max Pressure Psi	Frame Size	Input Hose Fitting (NPTF)	O.D. Inch (mm)	Weight Lbs. (kg)	Catalog Number
Low pressure ¼" ID.	35 (10.7)	300	A	1/4	0.51 (13.0)	24 (10.9)	**HBLHR2535**
	50 (15.2)	300	B	1/4	0.51 (13.0)	26 (11.8)	**HBLHR2550**
Low pressure ⅜" ID.	25 (7.6)	300	A	3/8	0.65 (16.5)	23 (10.4)	**HBLHR3825**
	50 (15.2)	300	C	3/8	0.65 (16.5)	36 (16.3)	**HBLHR3850**
	70 (21.3)	300	E	3/8	0.65 (16.5)	50 (22.7)	**HBLHR3870**
Low pressure ½" ID.	35 (10.7)	300	C	3/8	0.77 (19.6)	38 (17.2)	**HBLHR5035**
	50 (15.2)	300	E	3/8	0.77 (19.6)	44 (20.0)	**HBLHR5050**

Static Discharge Reels

HBL50SD

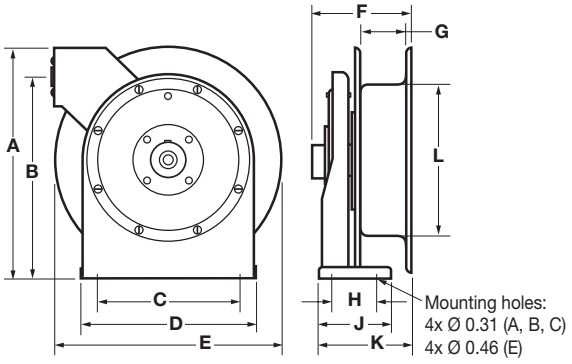
Description	Cable Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
Static discharge reel.	50 (15.2)	Single 3⁄32" Steel	12 (5.4)	**HBL50SD**
Static discharge reel.	50 (15.2)	Single 3⁄32" Steel Nylon Coated	13 (5.9)	**HBL50SDN**
Static discharge reel.	50 (15.2)*	Dual (Y) 3⁄32" Steel	13 (5.9)	**HBL50YSD**

*Note: *35 ft. (10.6m) + Dual 15 ft. (4.5m) for "Y".*

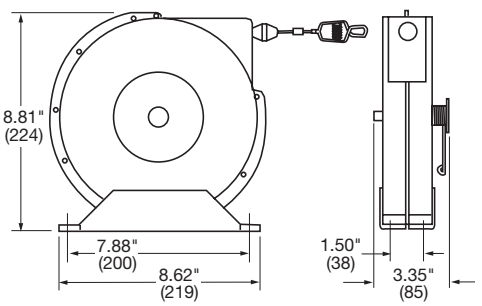
Dimensions

Frame size	A	B	C	D	E	F	G	H	J	K	L	M
A	12.88 (327)	11.25 (286)	8.00 (203)	9.88 (250)	12.13 (308)	5.50 (140)	2.50 (64)	2.50 (64)	4.00 (102)	5.09 (132)	8.38 (213)	—
B	14.50 (368)	12.81 (325)	9.75 (248)	11.25 (285)	13.75 (349)	6.19 (157)	3.16 (80)	2.50 (64)	4.00 (102)	5.88 (149)	8.38 (213)	—
C	17.50 (445)	15.63 (286)	9.75 (248)	11.25 (285)	16.50 (419)	6.19 (157)	3.16 (80)	2.50 (64)	4.00 (102)	5.88 (149)	10.25 (260)	—
E	20.38 (518)	18.12 (460)	7.88 (200)	9.45 (240)	19.00 (483)	6.63 (168)	3.35 (85)	3.86 (98)	5.43 (138)	6.10 (155)	11.00 (280)	9.5 (241)

Air/Water Hose Reels



Static Discharge Reel



Dimensions in Inches (mm)

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Tamper/Weather Resistant GFCI Receptacles

Pre-Wired/Leaded and SNAP*Connect*® GFCI's

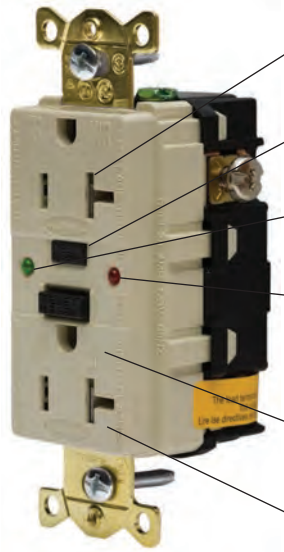
GFCI Sensing Module and Circuit Breaker

Portable GFCI Products

Extra Heavy Duty Industrial & Hospital Grade GFCI Receptacles Tamper-Resistant and Weather Resistant

Fed.Spec.

Meets UL Standard 943 Class A GFCI



GFR5362SGI

10kA Short Circuit Current Rating

Limits improper access to energized contacts
- Exclusive patented tamper-resistant protection through switching technology

Continually tests and monitors for people protection automatically
- Patented self test diagnostics

Power indication
- Steady **"ON" GREEN LED** provides indication of power

Ground fault indicator
- Steady **"ON" RED LED** provides visual indication of a ground fault condition; flashing red indicates device has lost capability to provide protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Durable face with V-0 flammability rating
- Polyester face cover

AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

GFR5262SG

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color	Catalog Number	
Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	**GFR5262SGBK**	**GFR5362SGBK**
		Brown	**GFR5262SG**	**GFR5362SG**
		Gray	**GFR5262SGGY**	**GFR5362SGGY**
		Ivory	**GFR5262SGI**	**GFR5362SGI**
		Red	**GFR5262SGR**	**GFR5362SGR**
		White	**GFR5262SGW**	**GFR5362SGW**
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	**GFR8200SGBK**	**GFR8300SGBK**
		Brown	**GFR8200SG**	**GFR8300SG**
		Gray	**GFR8200SGGY**	**GFR8300SGGY**
		Ivory	**GFR8200SGI**	**GFR8300SGI**
		Red	**GFR8200SGR**	**GFR8300SGR**
		White	**GFR8200SGW**	**GFR8300SGW**

Circuit Guard® GFCI Receptacles Tamper-Resistant and Weather Resistant

GFR5262GYTR

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

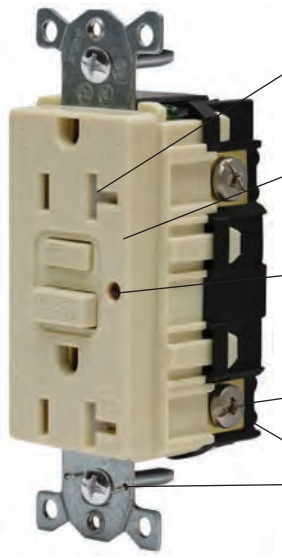
Description	Rating	Color	Catalog Number	
Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	**GFR5262BKTR**	**GFR5362BKTR**
		Brown	**GFR5262TR**	**GFR5362TR**
		Gray	**GFR5262GYTR**	**GFR5362GYTR**
		Ivory	**GFR5262ITR**	**GFR5362ITR**
		Red	**GFR5262RTR**	**GFR5362RTR**
		White	**GFR5262WTR**	**GFR5362WTR**
Hospital Grade ● Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	**GFR8200BKTR**	**GFR8300BKTR**
		Brown	**GFR8200TR**	**GFR8300TR**
		Gray	**GFR8200GYTR**	**GFR8300GYTR**
		Ivory	**GFR8200ITR**	**GFR8300ITR**
		Red	**GFR8200RTR**	**GFR8300RTR**
		White	**GFR8200WTR**	**GFR8300WTR**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color nylon wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability.

See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

Heavy Duty Commercial & Hospital Grade GFCI Receptacles
Tamper-Resistant and Weather Resistant with Auto Grounding

Meets UL Standard 943
Class A GFCI



10kA Short Circuit Current Rating

Limits improper access to energized contacts
- Patented shutter design for tamper-resistant protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Ground fault EOL indicator
- Flashing **RED** indicates device has lost capability to provide protection

Accepts fork terminals
- Open terminal design

Installation ease
- Internal back wiring
- Automatic self-grounding staple
- Captive mounting screws

GFTR20I

Circuit Guard® GFCI Receptacles
Tamper-Resistant and Weather Resistant

15A 125V NEMA 5-15R UL CSA 0.5 HP — **20A 125V** NEMA 5-20R UL CSA 1 HP

Description	Rating	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTR15BK**	**GFTR20BK**
		Brown	**GFTR15**	**GFTR20**
		Gray	**GFTR15GY**	**GFTR20GY**
		Ivory	**GFTR15I**	**GFTR20I**
		Light Almond	**GFTR15LA**	**GFTR20LA**
		Red	**GFTR15R**	**GFTR20R**
		White	**GFTR15W**	**GFTR20W**

GFTR15AL

Circuit Guard® GFCI Receptacles - 3 Pack
Tamper-Resistant and Weather Resistant

Description	Rating	Color	Catalog Number	
3 Pack, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Ivory	**GFTR15I3**	**GFTR20I3**
		Light Almond	**GFTR15LA3**	**GFTR20LA3**
		White	**GFTR15W3**	**GFTR20W3**

Note: Consult factory for availability of other colors.

Circuit Guard® GFCI Receptacles
Tamper-Resistant and Weather Resistant

15A 125V NEMA 5-15R UL CSA 0.5 HP — **20A 125V** NEMA 5-20R UL CSA 1 HP

Description	Rating	Color	Catalog Number	
Hospital Grade ● Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFR8200HBKTR**	**GFR8300HBKTR**
		Brown	**GFR8200HTR**	**GFR8300HTR**
		Gray	**GFR8200HGYTR**	**GFR8300HGYTR**
		Ivory	**GFR8200HITR**	**GFR8300HITR**
		Light Almond	**GFR8200HLATR**	**GFR8300HLATR**
		Red	**GFR8200HRTR**	**GFR8300HRTR**
		White	**GFR8200HWTR**	**GFR8300HWTR**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFR8300HRTR

Heavy Duty Commercial & Hospital Grade GFCI Receptacles
LED with Auto Grounding

Meets UL Standard 943
Class A GFCI

GF15ILA

10kA Short Circuit Current Rating

Comprehensive diagnostics
- When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested

Ground fault EOL indicator
- Flashing **RED** indicates device has lost capability to provide protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Installation ease
- Internal back wiring
- Automatic self-grounding staple
- Captive mounting screws

GF15ALLA

Circuit Guard® GFCI Receptacles

Description	Rating	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GF15BKLA**	**GF20BKLA**
		Brown	**GF15LA**	**GF20LA**
		Gray	**GF15GYLA**	**GF20GYLA**
		Ivory	**GF15ILA**	**GF20ILA**
		Light Almond	**GF15LALA**	**GF20LALA**
		Red	**GF15RLA**	**GF20RLA**
		White	**GF15WLA**	**GF20WLA**

Circuit Guard® GFCI Receptacles - 3 Pack

Description	Rating	Color	Catalog Number	
3 Pack, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Ivory	**GF15ILA3**	**GF20ILA3**
		Light Almond	**GF15LALA3**	**GF20LALA3**
		White	**GF15WLA3**	**GF20WLA3**

Note: Consult factory for availability of other colors.

GFR8200HRLA

Hospital Grade ● Circuit Guard® GFCI Receptacles

Description	Rating	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFR8200HBKLA**	**GFR8300HBKLA**
		Brown	**GFR8200HLA**	**GFR8300HLA**
		Gray	**GFR8200HGYLA**	**GFR8300HGYLA**
		Ivory	**GFR8200HILA**	**GFR8300HILA**
		Light Almond	**GFR8200HLAA**	**GFR8300HLAA**
		Red	**GFR8200HRLA**	**GFR8300HRLA**
		White	**GFR8200HWLA**	**GFR8300HWLA**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feed-through capability.

Heavy Duty Commercial GFCI Receptacles LED with Auto Grounding

Meets UL Standard 943
Class A GFCI

Circuit Guard® Bulk Pack GFCI Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. Bulk packed, (50 pieces without wallplate).	15 and 20A 125V AC	Black	**GF15BKLABULK**	**GF20BKLABULK**
		Brown	**GF15LABULK**	**GF20LABULK**
		Gray	**GF15GYLABULK**	**GF20GYLABULK**
		Ivory	**GF15ILABULK**	**GF20ILABULK**
		Light Almond	**GF15LALABULK**	**GF20LALABULK**
		Red	**GF15RLABULK**	**GF20RLABULK**
		White	**GF15WLABULK**	**GF20WLABULK**

GF15BKLABULK

Circuit Guard® Faceless GFCI

Description	Rating	Color	Catalog Number	
Faceless, nylon top, back and side wired, multiple drive screws, self-grounding staple.	20A 125V AC	Black	–	**GFBF20BKLA**
		Brown	–	**GFBF20LA**
		Gray	–	**GFBF20GYLA**
		Ivory	–	**GFBF20ILA**
		Light Almond	–	**GFBF20LALA**
		Red	–	**GFBF20RLA**
		White	–	**GFBF20WLA**

GF20GYLABULK

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate.

Combination Switch/GFCI

Description	Rating	Color	Catalog Number	
Single-pole switch, GFCI grounding receptacle, back and side wired, matching nylon wallplate included.	15A 120V (Switch) 15A 125V (Receptacle)	Ivory	**GFSP15IC**	–
		Light Almond	**GFSP15LAC**	–
		White	**GFSP15WC**	–

GFBF20ILA

GFSP15WC

GFCI Receptacle Specifications per GFCI Products Listed (Pages K-2 to K-9)

Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978. CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Heavy Duty Commercial & Hospital Grade GFCI Receptacles
Pre-Wired/Leaded LED

Meets UL Standard 943
Class A GFCI

Applications

GF15GYLAP1

GFCI LED Pre-Wired/Leaded, #12 Solid Wire, 8 Inch Leads

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color*	Catalog Number	
Impact resistant flush nylon face, LED, self-grounding staple, 8" solid wire leads.	15 and 20A 125V AC	Gray Ivory White	**GF15GYLAP1** **GF15ILAP1** **GF15WLAP1**	**GF20GYLAP1** **GF20ILAP1** **GF20WLAP1**

*Note: *Consult factory for additional colors.*

GF20ILAP2

GFCI LED Pre-Wired/Leaded, #12 Stranded Wire, 8 Inch Leads

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color*	Catalog Number	
Impact resistant flush nylon face, LED, self-grounding staple, 8" stranded wire leads.	15 and 20A 125V AC	Gray Ivory White	**GF15GYLAP2** **GF15ILAP2** **GF15WLAP2**	**GF20GYLAP2** **GF20ILAP2** **GF20WLAP2**

*Note: *Consult factory for additional colors.*

GFTR15WP1

GFCI LED Tamper and Weather Resistant Pre-Wired/Leaded, #12 Solid Wire, 8 Inch Leads

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color*	Catalog Number	
Tamper and Weather Resistant, impact resistant flush nylon face, LED, self-grounding staple, 8" solid wire leads.	15 and 20A 125V AC	Gray Ivory White	**GFTR15GYP1** **GFTR15IP1** **GFTR15WP1**	**GFTR20GYP1** **GFTR20IP1** **GFTR20WP1**

*Note: *Consult factory for additional colors.*
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFTR20GYP2

GFCI LED Tamper and Weather Resistant Pre-Wired/Leaded, #12 Stranded Wire, 8 Inch Leads

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color*	Catalog Number	
Tamper and Weather Resistant, impact resistant flush nylon face, LED, self-grounding staple, 8" stranded wire leads.	15 and 20A 125V AC	Gray Ivory White	**GFTR15GYP2** **GFTR15IP2** **GFTR15WP2**	**GFTR20GYP2** **GFTR20IP2** **GFTR20WP2**

*Note: *Consult factory for additional colors.*
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

Heavy Duty Commercial & Hospital Grade LED GFCI Receptacles Assembled in USA

Meets UL Standard 943
Class A GFCI

Applications

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

GFCI LED, Assembled in USA

Description	Rating	Color	Catalog Number	
Impact resistant flush nylon face, back and side wired, LED, self-grounding staple. Assembled in the USA.	15 and 20A 125V AC	Black	**GF15BKLU**	**GF20BKLU**
		Brown	**GF15LU**	**GF20LU**
		Gray	**GF15GYLU**	**GF20GYLU**
		Ivory	**GF15ILU**	**GF20ILU**
		Light Almond	**GF15LALU**	**GF20LALU**
		Red	**GF15RLU**	**GF20RLU**
		White	**GF15WLU**	**GF20WLU**

GF15GYLU

GFCI LED Hospital Grade, Assembled in USA

Description	Rating	Color	Catalog Number	
Hospital Grade ●, impact resistant flush nylon face, back and side wired, LED, self-grounding staple. Assembled in the USA.	15 and 20A 125V AC	Black	**GFR8200HBKLU**	**GFR8300HBKLU**
		Brown	**GFR8200HLU**	**GFR8300HLU**
		Gray	**GFR8200HGYLU**	**GFR8300HGYLU**
		Ivory	**GFR8200HILU**	**GFR8300HILU**
		Light Almond	**GFR8200HLALU**	**GFR8300HLALU**
		Red	**GFR8200HRLU**	**GFR8300HRLU**
		White	**GFR8200HWLU**	**GFR8300HWLU**

GFR8300HWLU

GFCI LED Tamper and Weather Resistant, Assembled in USA

Description	Rating	Color	Catalog Number	
Tamper and Weather Resistant, impact resistant flush nylon face, back and side wired, LED, self-grounding staple. Assembled in the USA.	15 and 20A 125V AC	Black	**GFTR15BKU**	**GFTR20BKU**
		Brown	**GFTR15U**	**GFTR20U**
		Gray	**GFTR15GYU**	**GFTR20GYU**
		Ivory	**GFTR15IU**	**GFTR20IU**
		Light Almond	**GFTR15LAU**	**GFTR20LAU**
		Red	**GFTR15RU**	**GFTR20RU**
		White	**GFTR15WU**	**GFTR20WU**

GFTR20IU

GFCI LED Hospital Grade Tamper and Weather Resistant, Assembled in USA

Description	Rating	Color	Catalog Number	
Hospital Grade ●, Tamper and Weather Resistant, impact resistant flush nylon face, back and side wired, LED, self-grounding staple. Assembled in the USA.	15 and 20A 125V AC	Black	**GFR8200HBKTRU**	**GFR8300HBKTRU**
		Brown	**GFR8200HTRU**	**GFR8300HTRU**
		Gray	**GFR8200HGYTRU**	**GFR8300HGYTRU**
		Ivory	**GFR8200HITRU**	**GFR8300HITRU**
		Light Almond	**GFR8200HLATRU**	**GFR8300HLATRU**
		Red	**GFR8200HRTRU**	**GFR8300HRTRU**
		White	**GFR8200HWTRU**	**GFR8300HWTRU**

GFR8300HLATRU

Note: Many of the products listed on this page are assembled in USA and many are Buy American Compliant. Please contact Hubbell for specific certification requirements.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

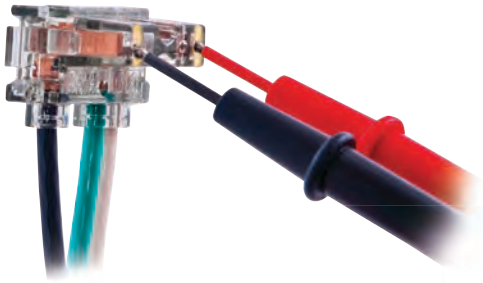
The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

SNAP*Connect*® Commercial Grade GFCI Receptacles Assembled in USA

Fed.Spec.

Meets UL Standard 943
Class A GFCI

No Special Tester Required
.085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters

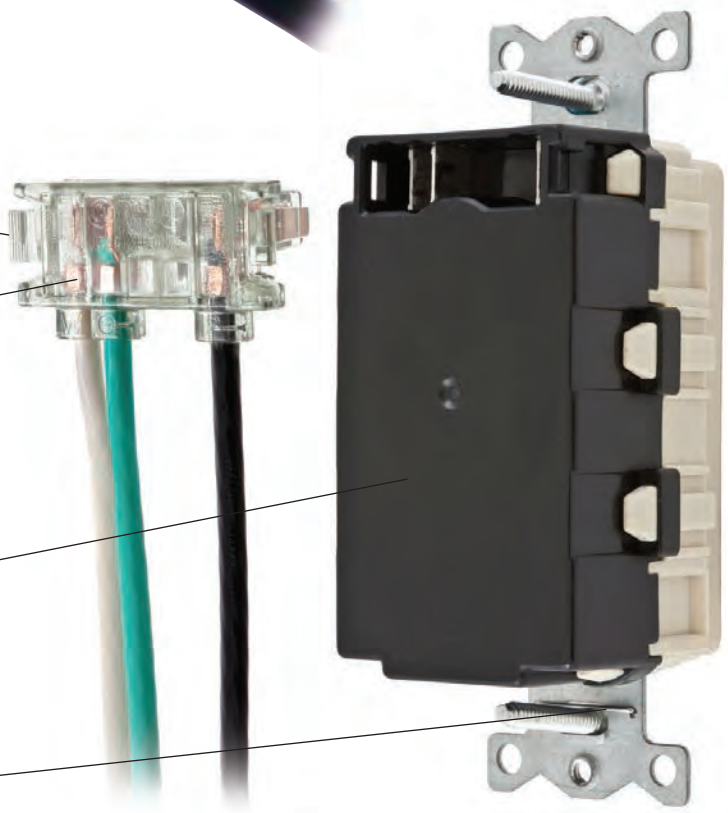


Audible SNAP, indicates solid connection
• Secure, easy grip latch

Inspection of power contacts
• Clear terminal housing
• No exposed metal

Requires minimal box space
• Compact size
• Clean finished look

Installation ease
• Self-grounding staple

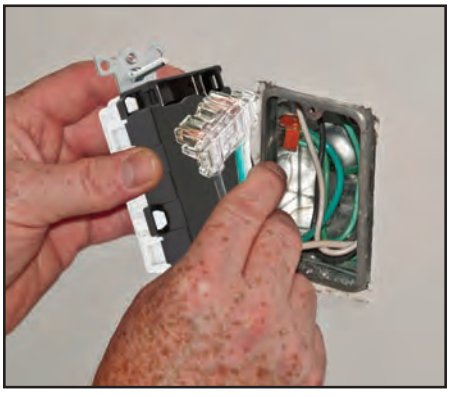


SNAP1RNA **GFR20SNAPINA**

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Labor Savings Feature!

Save one Minute!
Rough-in the SNAP*Connect*® terminal instead of pigtails.



Save Over Three Minutes!
Remove protective packaging and SNAP*Connect*® device to the circuit.

Complete Trim-Out in Less Than One Minute!
Secure mounting screws, attach wallplate, job complete.

SNAP*Connect*® Commercial Grade GFCI Receptacles Assembled in USA

Fed.Spec.

Meets UL Standard 943 Class A GFCI

SNAP*Connect*® GFCI LED, Assembled in USA

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color	Commercial Grade 15A GFCI	Commercial Grade 20A GFCI
SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately.	15 and 20A 125V AC	Black	**GFR15SNAPBKNA**	**GFR20SNAPBKNA**
		Brown	**GFR15SNAPNA**	**GFR20SNAPNA**
		Gray	**GFR15SNAPGYNA**	**GFR20SNAPGYNA**
		Ivory	**GFR15SNAPINA**	**GFR20SNAPINA**
		Light Almond	**GFR15SNAPLANA**	**GFR20SNAPLANA**
		Red	**GFR15SNAPRNA**	**GFR20SNAPRNA**
		White	**GFR15SNAPWNA**	**GFR20SNAPWNA**

GFR15SNAPGYNA

SNAP*Connect*® GFCI LED Hospital Grade, Assembled in USA

Description	Rating	Color	Hospital Grade ● 15A GFCI	Hospital Grade ● 20A GFCI
Hospital Grade ●, SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately.	15 and 20A 125V AC	Black	**GFR8200SNAPBKNA**	**GFR8300SNAPBKNA**
		Brown	**GFR8200SNAPNA**	**GFR8300SNAPNA**
		Gray	**GFR8200SNAPGYNA**	**GFR8300SNAPGYNA**
		Ivory	**GFR8200SNAPINA**	**GFR8300SNAPINA**
		Light Almond	**GFR8200SNAPLANA**	**GFR8300SNAPLANA**
		Red	**GFR8200SNAPRNA**	**GFR8300SNAPRNA**
		White	**GFR8200SNAPWNA**	**GFR8300SNAPWNA**

GFR8300SNAPRNA

SNAP*Connect*® GFCI LED Tamper and Weather Resistant, Assembled in USA

Description	Rating	Color	Commercial Grade 15A GFCI	Commercial Grade 20A GFCI
SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	15 and 20A 125V AC	Black	**GFTR15SNAPBKNA**	**GFTR20SNAPBKNA**
		Brown	**GFTR15SNAPNA**	**GFTR20SNAPNA**
		Gray	**GFTR15SNAPGYNA**	**GFTR20SNAPGYNA**
		Ivory	**GFTR15SNAPINA**	**GFTR20SNAPINA**
		Light Almond	**GFTR15SNAPLANA**	**GFTR20SNAPLANA**
		Red	**GFTR15SNAPRNA**	**GFTR20SNAPRNA**
		White	**GFTR15SNAPWNA**	**GFTR20SNAPWNA**

GFTR20SNAPINA

SNAP*Connect*® GFCI LED Hospital Grade Tamper and Weather Resistant, Assembled in USA

Description	Rating	Color	Hospital Grade ● 15A GFCI	Hospital Grade ● 20A GFCI
Hospital Grade ●, SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	15 and 20A 125V AC	Black	**GFTR8200SNAPBKNA**	**GFTR8300SNAPBKNA**
		Brown	**GFTR8200SNAPNA**	**GFTR8300SNAPNA**
		Gray	**GFTR8200SNAPGYNA**	**GFTR8300SNAPGYNA**
		Ivory	**GFTR8200SNAPINA**	**GFTR8300SNAPINA**
		Light Almond	**GFTR8200SNAPLANA**	**GFTR8300SNAPLANA**
		Red	**GFTR8200SNAPRNA**	**GFTR8300SNAPRNA**
		White	**GFTR8200SNAPWNA**	**GFTR8300SNAPWNA**

GFTR8300SNAPWNA

SNAP*Connect*® Right Angle Pigtailed Terminal

Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

Note: See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

SNAP1RNA

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

GFCI Sensing Module, 50A Maximum Rating - NEMA 4X

Typical Applications Include:

Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Mobile Power.

The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual “safe start” reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA 4X Rating. This module and breaker system is ideal for portable generator integration protecting all outlets on a generator. This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201. UL/cUL 943 Listed, Class A 4-6mA trip level and UL 1053 Compliant.

GFSM120M

GFSMCB120401P

GFCI Sensing Module – 50A Maximum

Description	Catalog Number
120V AC Sensing Module Auto	**GFSM120A**
120V AC Sensing Module Manual	**GFSM120M**
240V AC Sensing Module Auto	**GFSM240A**
240V AC Sensing Module Manual	**GFSM240M**

GFCI Sensing Module Circuit Breakers

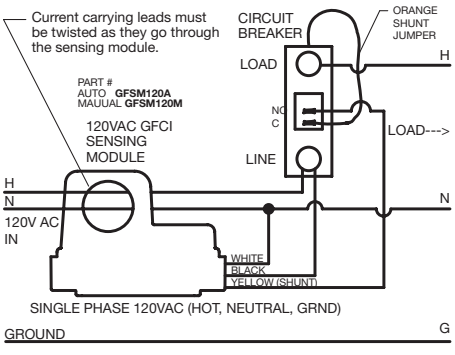
Catalog Number Configurator

Ground Fault Sensing Module Circuit Breaker	A/C Voltage	Amperage	Number of Poles	Sensing Module Required
GFSMCB	120	1 to 50	1	**GFSM120A** or **M**
	120		2	**GFSM120A** or **M**
	240		2	**GFSM240A** or **M**
	120/240		2	**GFSM120A** or **M**
	120/240		3	**GFSM120A** or **M**

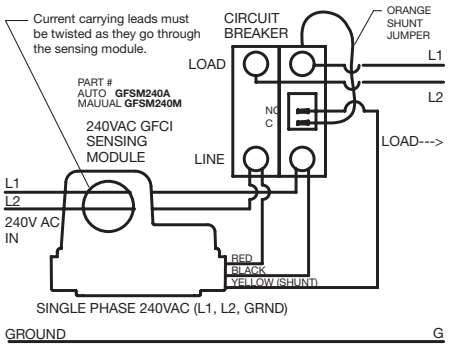
Example Catalog Numbers:
GFSMCB120401P: 120V, 40A, 1 Pole
GFSMCB240502P: 240V, 50A, 2 Pole
GFSMCB120240203P: 120/240V, 20A, 3 Pole

Wiring Schematics

GFSMCB120xx1P



GFSMCB240xx2P



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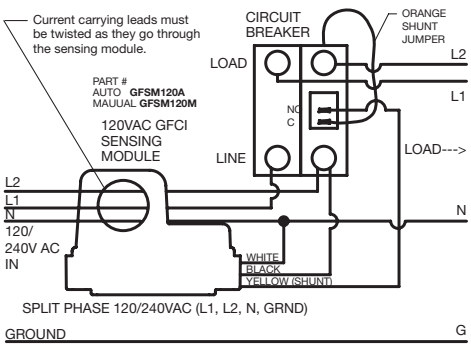


Straight Blade Portable GFCI Plugs

15 Ampere, 120 Volts AC, 2 Pole, 3 Wire Grounding

Circuit Guard® Wired On Industrial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, manual set, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP5266C**
GFCI plug, manual set, yellow.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP5266CY**
GFCI plug with 1 foot line cord, manual set, yellow, with connector body.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R.	**GFP1C**

GFP5266CY

Circuit Guard® Wired On Commercial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, automatic set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515A**
GFCI plug, manual set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515M**

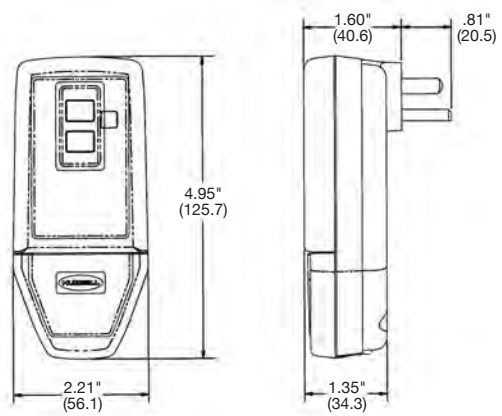
GFP515A

Specifications

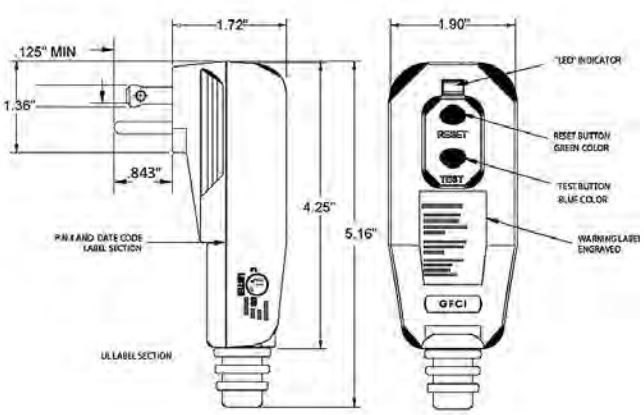
Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized material. UL 94V-0 flammability classification.
Input	NEMA 5-15P.
Cord Range	16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S.
Cord Type: Length (GFP1C)	14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R.
Power "ON" Indication	Indicator light.
Listings	Meets UL943 Class A Listed, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

Dimensions

GFP5266C Series



GFP515 Series



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Circuit Guard® Plug-In Portable GFCI and GFCI Tester

15 Ampere, 120 Volts AC, 2 Pole, 3 Wire Grounding

GFP315A

Circuit Guard® Plug-In Portable GFCI

Description	Rating	Catalog Number
Three outlet plug-in.	15A, 120V AC	**GFP315A**

Specifications

GFP315A	
Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact ABS.
Input	NEMA 5-15P.
Output	3 NEMA 5-15R.
Fault Indication	Indicator light.
Center Screw	For optional permanent mounting.
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

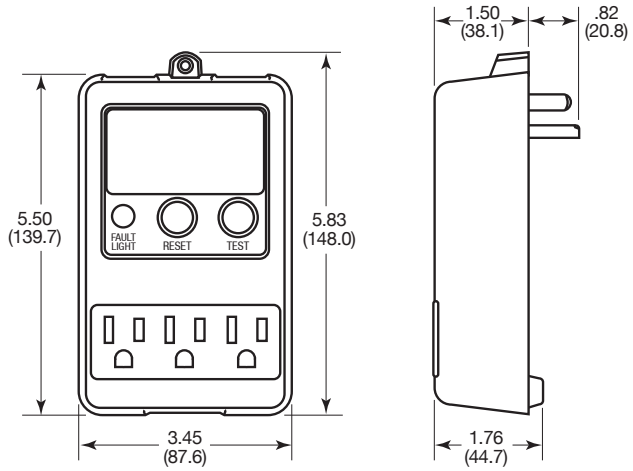
GFT2G

GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**

- Designed to measure the trip level of portable or “wired-in” GFCI’s in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

Dimensions



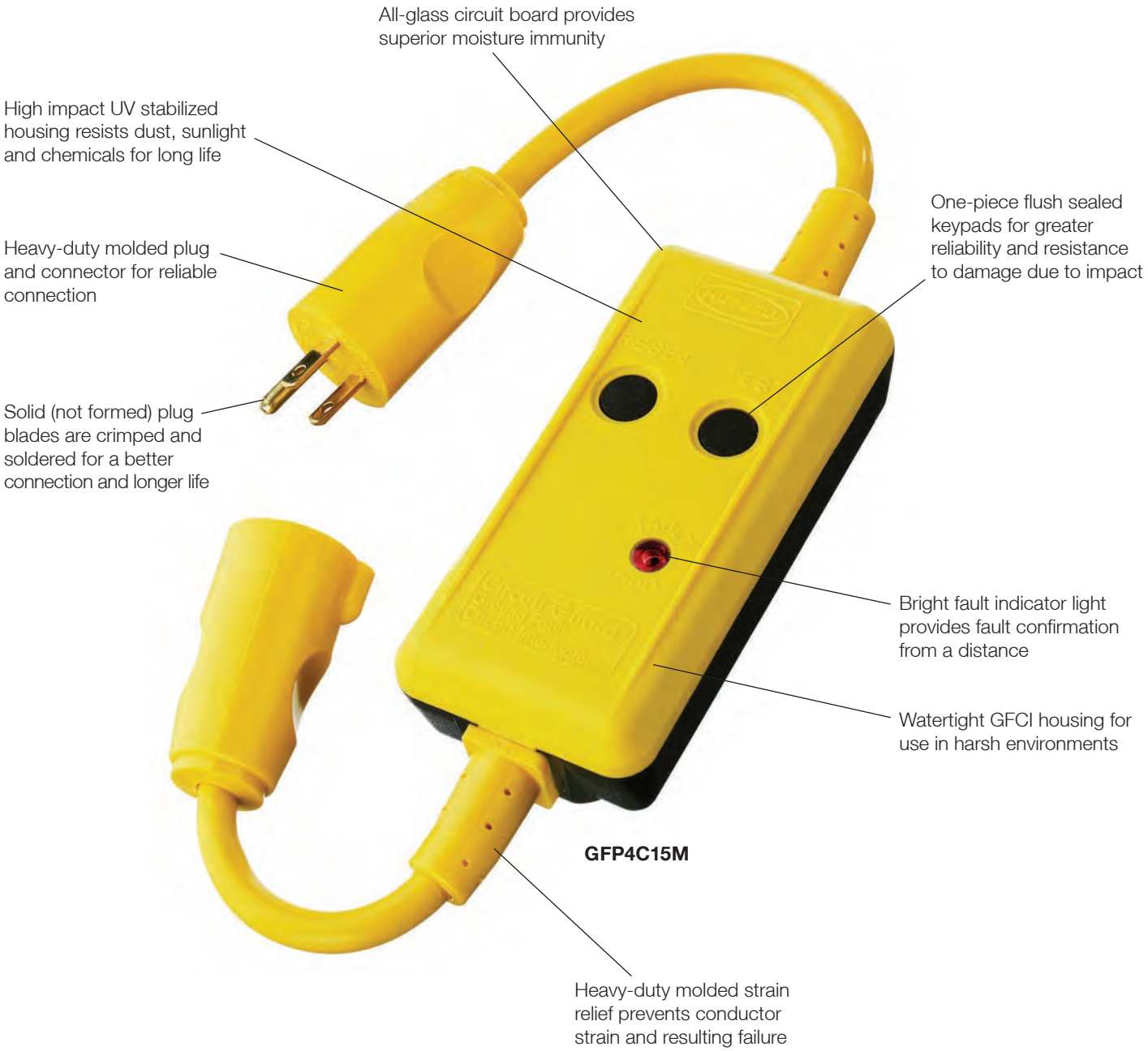
Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Circuit Guard® Set GFCI Line Cord

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6 milliamperes. Available in lengths of 18" (45.7 cm), 6' (182.9 cm), and 25' (762 cm). A 15' (457.2 cm) OEM version with stripped leads is also available. They are offered with an Automatic Set or Manual Set feature to meet your application.

Available in Automatic Set with yellow base or Manual Set with black base.



GFP4C15M

Portable GFCI Line Cords

Industrial Grade, Automatic and Manual Set

IP21
SUITABILITY

GFP4C15A

Circuit Guard® Automatic Set Portable GFCI Line Cords

Description	15A 120V AC Catalog Number
18" (45.7 cm) GFCI line cord.	**GFP4C15A**
6' (182.9 cm) GFCI line cord.	**GFP6C15A**
25' (762.0 cm) GFCI line cord.	**GFP25C15A**
15' (457.2 cm) GFCI power supply cord with stripped leads.	**GFPOEMA***

GFP25C15A

Circuit Guard® Manual Set Portable GFCI Line Cords

Description	15A 120V AC Catalog Number	20A 120V AC Catalog Number
18" (45.7 cm) GFCI line cord.	**GFP4C15M**	–
3' (91.4 cm) GFCI line cord.	–	**GFP3C20M**
6' (182.9 cm) GFCI line cord.	**GFP6C15M**	–
25' (762.0 cm) GFCI line cord.	**GFP25C15M**	–
15' (457.2 cm) GFCI power supply cord with stripped leads.	**GFPOEMM***	–
50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	**GFP50C15WM**	
100' (3048.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	**GFP100C15WM**	

*Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).*

GFP6C15M

Circuit Guard® Manual Set Twist-Lock Portable GFCI Line Cords

Description	15A 120V AC Catalog Number	20A 120V AC Catalog Number
3' (91.4 cm) GFCI line cord.	**GFP3C15MTL**	**GFP3C20MTL**

Automatic Set GFCI
Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

Manual Set GFCI
Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.

GFPOEMM

	Straight Blade	Twist-Lock®
Input	15A NEMA 5-15P, 20A NEMA 5-20P.	15A NEMA L5-15P HBL47CM20C, 20A NEMA L5-20P HBL23CM11.
Output	15A NEMA 5-15R (except GFPOEMM), 20A NEMA 5-20R.	15A NEMA L5-15R HBL47CM29C, 20A NEMA L5-20R HBL23CM13.

GFP3C20MTL

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Cord Type	14/3 SJTW-A (UL), SJTW (CSA). Except GFP3C20M, GFP3C15MTL and GFP3C20MTL are 12/3 SJTW.
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Portable GFCI Line Cords

Commercial Grade, Automatic and Manual Set

Circuit Guard® Portable GFCI Single Outlet - 12/3 SJEOW — 15A 120V AC

Description	Catalog Number
2' (60.9 cm) GFCI line cord, automatic set.	**GFP2CA**
2' (60.9 cm) GFCI line cord, manual set.	**GFP2CM**
25' (762.0 cm) GFCI line cord, automatic set.	**GFP25CA**
25' (762.0 cm) GFCI line cord, manual set.	**GFP25CM**

GFP2CA

Circuit Guard® Portable GFCI Triple Tap Outlet - 12/3 SJEOW — 15A 120V AC

Description	Catalog Number
2' (60.9 cm) GFCI line cord, automatic set.	**GFP2TTA**
2' (60.9 cm) GFCI line cord, manual set.	**GFP2TTM**
25' (762.0 cm) GFCI line cord, automatic set.	**GFP25TTA**
25' (762.0 cm) GFCI line cord, manual set.	**GFP25TTM**

GFP2TTA

Circuit Guard® OEM Equipment Integrated Cord Sets - 14/3 SJEOW — 15A 120V AC

Description	Catalog Number
15' (457.2 cm) GFCI with flying leads, automatic set.	**GFP15LA**
15' (457.2 cm) GFCI with flying leads, manual set.	**GFP15LM**
35' (1066.8 cm) GFCI with flying leads, automatic set.	**GFP35LA**
35' (1066.8 cm) GFCI with flying leads, manual set.	**GFP35LM**

GFP15LA

15A GFCI In Line GFCI, Single and Triple Tap - 12/3 SJTW — 15A 120V AC

Description	Catalog Number
2' (60.9 cm), 5-15 single tap, automatic set.	**GFPIL15125A**
2' (60.9 cm), 5-15 single tap, manual set.	**GFPIL15125M**
2' (60.9 cm), 5-15 triple tap, automatic set.	**GFPIL15125TRIA**
2' (60.9 cm), 5-15 triple tap, manual set.	**GFPIL15125TRIM**

20A GFCI In Line GFCI, Locking - 12/3 SJTW — 20A 120V AC

Description	Catalog Number
2' (60.9 cm), L5-20 locking, automatic set.	**GFPIL20125LKA**
2' (60.9 cm), L5-20 locking, manual set.	**GFPIL20125LKM**

GFPIL15125TRIM

20A GFCI In Line GFCI, Locking - 12/3 SJTW — 20A 250V AC

Description	Catalog Number
2' (60.9 cm), L6-20 locking, automatic set.	**GFPIL20250LKA**
2' (60.9 cm), L6-20 locking, manual set.	**GFPIL20250LKM**

GFPIL20125LKA

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120/250V AC +10% - 15%. Incorporates no voltage release feature.
Amperage	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

GFPIL20125LKM

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

IP21
SUITABILITY

GFP15M

Multiple Outlet Portable GFCI

Description	Rating	Receptacles	Plug	Catalog Number
4 outlet, manual set, yellow.	15A, 120V AC	(2) Duplex 5-15R	NEMA 5-15P	**GFP15M**
4 outlet, manual set, yellow.	20A, 120V AC	(2) Duplex 5-20R	NEMA 5-20P	**GFP20M**

GFM20

GFCI Module - UL Type 3R Rated

Description	Rating	Catalog Number
GFCI module, manual set, yellow.	20A, 120V AC, 60 Hz	**GFM20**
GFCI module, auto set, yellow.	20A, 120V AC, 60 Hz	**GFM20A**

Specifications

	GFP15M / GFP20M	GFM20 / GFM20A
Trip Level	4 to 6 mA.	4 to 6 mA.
Trip Time	.025 sec. nominal.	.025 sec. nominal.
Frequency	60 Hz.	60 Hz.
Voltage	120V AC +10% - 15%. No voltage release feature.	120V AC +10% - 15%. No voltage release feature.
Maximum Interrupting Capacity	5000A.	5000A.
Current	15A / 20A.	20A / 20A Feed-through.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.	-35°C to 66°C or -30°F to 150°F.
Housing Rating	High-impact, yellow Valox® with protective lift covers.	High-impact, UV stabilized, rigid PVC. UL 94V-0 flammability classification. UL Type 3R Rated.
Input	5-15P, 15A / 5-20P, 20A. IP21 Suitability.	#12 AWG stranded conductors (black/white/green).
Output	5-15R(4), 15A / 5-20R(4), 20A.	#12 AWG stranded conductors (red/gray).
Power Supply Cord	6' (182.9 cm) STOW-A (STW FT2 CSA).	N/A.
Mounting Screws	N/A.	Self-tapping, combination, #6-32.
Power “ON” Indication	LED indicator light.	LED indicator light.
Agency Approvals	UL Listed, UL498 for receptacles. Meets UL943 Class A for GFCI’s.	UL Listed, CSA Certified. Meets UL943 Class A for GFCI’s.
Codes	Meets all NEC® and CEC requirements.	Meets all NEC® and CEC requirements.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

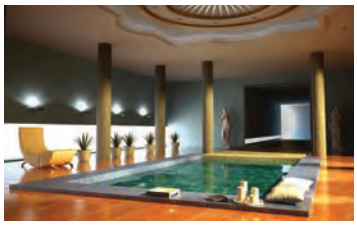
Hard Wired 30 Ampere GFCI - NEMA 4X

Applications

Power Generators
Submersible Pumps
Textile

Agricultural Equipment
Cement Cutting Equipment
Food Processing

Production Assembly Equipment
Spa and Hot Tubs
Vending Equipment



Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Manual Set	Automatic Set
Hard wired, manual set and automatic set GFCIs.	120V AC	None	**GFHW13005**	**GFHW13105**
	120V AC	Audible	**GFHW13015**	**GFHW13115**
	240V AC	None	**GFHW23005**	**GFHW23105**
	240V AC	Audible	**GFHW23015**	**GFHW23115**
	120/240V AC	Audible	**GFHW33015**	**GFHW33115**
	3Ø 250V AC	None	**GFHW530**	**GFHW531**
	3Ø 120/208V AC	None	**GFHW430**	**GFHW431**

Note: All units above are stock items.

Automatic Reset GFCI

Manual Reset GFCI

Specifications

Electrical Ratings	
Rated Voltage	120V AC, 240V AC and 120/240V, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Phase	Single.
Response Time	.025 sec. Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Grounded Neutral Detection	6 Ohms or less.
Power Up	Manual or automatic reset.

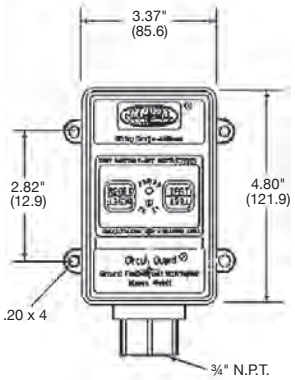
Environmental Ratings	
Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.

Features	
Life (Endurance)	10,000 cycles (6000 with load and 4000 without load). Open neutral protection Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1,Line 2, Neutral and Ground).
Switch Interface	Double Insulated.
Latching Mechanism	Electromagnetic.

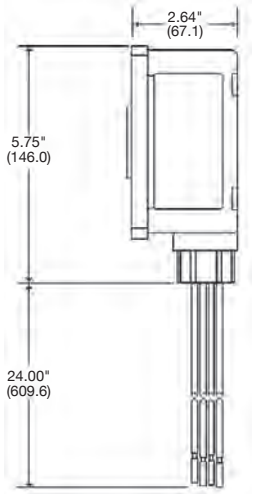
Physical Specifications	
Wire Leads	#10 AWG, 24" long.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: yellow background with black lettering. Manual reset: black background with yellow lettering.
Weight	1.40 lbs.

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii)
	OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Fountains	NEC 680.5B
Spas and Hot Tubs	NEC 680.40
Marinas	NEC 555.3



Dimensional Drawing

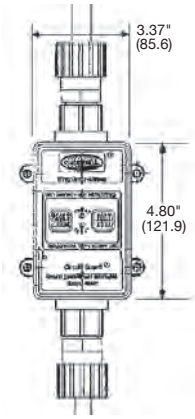


Side View

Dimensions in Inches (mm)

GFP1311

GFPIL30250LKM



Dimensional Drawing

Applications

Pressure Washers
De-icing Equipment
Pipeline Heaters

Portable Electric Heaters
Material Dryers
Automotive Garages

Portable Power Tools
Submersible Pumps
Outdoor Signage

Circuit Guard® Portable 30A GFCI - UL Type 4X Rated

Description	Cord Length	Voltage	Manual Set	Automatic Set
Portable, manual set and automatic set GFCIs.	2' (60.9 cm)	120V AC	**GFP1301**	**GFP1311**
	6' (182.9 cm)	120V AC	**GFP1305**	**GFP1315**
	25' (762.0 cm)	120V AC	**GFP1302**	**GFP1312**
	50' (1524.0 cm)	120V AC	**GFP1303**	**GFP1313**
	2' (60.9 cm)	240V AC	**GFP2301**	**GFP2311**
	25' (762.0 cm)	240V AC	**GFP2302**	**GFP2312**
	6' (182.9 cm)	120/240V AC	**GFP3305**	**GFP3315**
	6' (182.9 cm)	3Ø 250V AC	**GFP5305**	**GFP5315**
	6' (182.9 cm)	3Ø 120/208V AC	**GFP4305**	**GFP4315**

Note: All units above are stock items.

Circuit Guard® 30A GFCI In Line GFCI – Locking

Description	Cord Length	Voltage	Manual Set	Automatic Set
L5-30 locking.	2' (60.9 cm)	120V AC	**GFPIL30125LKM**	**GFPIL30125LKA**
L6-30 locking.	2' (60.9 cm)	250V AC	**GFPIL30250LKM**	**GFPIL30250LKA**

Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

Family	Style	Amps	Voltage	Hubbell Catalog Number
Insulgrip®	Straight Blade	15	120V AC	**HBL5266C & HBL5269C**
Insulgrip®	Twist-Lock®	30	240V AC	**HBL2621 & HBL2623**
Watertight Safety-Shroud®	Twist-Lock®	30	240V AC	**HBL2621SW & HBL2623SW**
IEC Pin & Sleeve	Watertight Pin & Sleeve	30	240V AC	**HBL330P6W & HBL330C6W**
Insulgrip® Pin & Sleeve	Insulgrip® Pin & Sleeve	30	240V AC	**HBL330PS2W & HBL330CS2W**
Hubbellock®	Hubbellock®	20	120V AC	**HBL23035B & HBL23032B**

Specifications

Electrical Ratings	
Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Response Time	25 mS Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Power Up	Manual or Automatic reset.
Environmental Ratings	
Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Meets UL943 Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.

Features	
Life (Endurance)	10,000 cycles (6000 with load and 4000 without load).
Open Neutral Protection	Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground). 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).
Switch interface	Double Insulated.
Latching Mechanism	Electromagnetic.
Physical Specifications	
Cord Type	2-50', 10/3 SJGOOW. 100', 8/3 SEOW.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: Yellow background with black lettering. Manual reset: Black background with yellow lettering.
Weight	2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs.

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Outdoor Signs	NEC 600.10
Spas and Hot Tubs	NEC 680.40
Boat Yards	NEC 555.3

Dimensions in Inches (mm)

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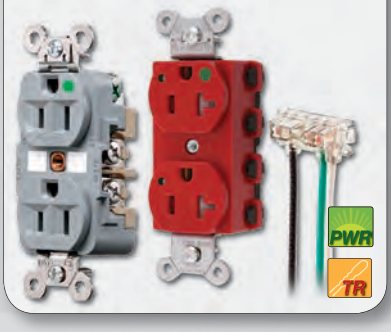
HBL® Extra Heavy Duty Industrial Series



Industrial and Commercial Series GFCIs

Surge Protection Devices

Hubbellock® Receptacles, Plugs and Connectors

HBL® Extra Heavy Duty Hospital Grade Duplex Receptacles

Features and Benefits

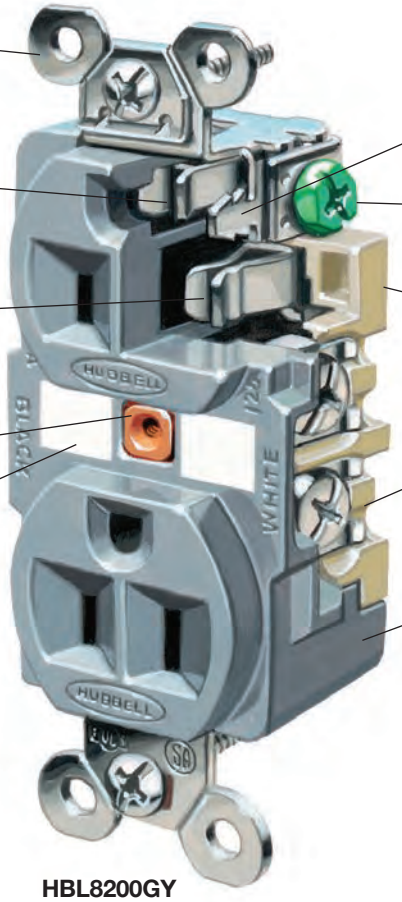
One-piece nickel-plated brass integral ground strap for greater corrosion resistance

Patented ground contact provides redundant grounding

Unique bypass contact design results in greater contact force and reduced heat buildup

Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

I.D. marking surface provides quick, sure circuit identification



HBL8200GY

Barbed assembly arms reduce possibility of face/base separation

Back wired ground terminal allows faster, easier installation

RTP base offers greater heat resistance, plus contact stability

External bundling terminals contain wire strands and are designed for quick inspection

Deep body design increases impact and chemical resistance

Hubbell "Hospital Grade" Devices

To qualify for the "Hospital Grade" designation and use of the associated green dot symbol, UL requires that the manufacturer design its devices to perform to specific levels. These levels form an established baseline below which no manufacturer can fall and still carry a green dot.

Hubbell sets their standards high. Each product is built to withstand the severe conditions of abuse that are unique to the hospital environment. Hubbell receptacles have exclusive design features that set them apart from the competition.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature.
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas.
- High tech reinforced thermoplastic polyester (RTP) back is tough and heat resistant.

Because of these features and others, the benefit is performance, reliability, and value for any health care facility.

One piece, nickel plated brass mounting strap with integral ground contacts, along with secondary ground contact, provides superior grounding for low resistance flow of fault currents as well as corrosion resistance. Barbed locking arms keep the face locked in place to diminish potential for face/base separation. Back wired ground screw reduces installation time.

Exclusive bypass contacts are made of nickel-plated brass alloy. This design increases blade retention forces, insuring a reliable uninterrupted flow of power.

Reinforced thermoplastic back provides superior thermal, electrical and mechanical properties. By providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance.

External wiring clamps allow for visual inspection of the terminals. A unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination.

HBL® Extra Heavy Duty Hospital Grade ● Receptacles

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Black	**HBL8200BK**	**–**
	Blue	**–**	**HBL8300BL**
	Brown	**HBL8200**	**HBL8300**
	Gray	**HBL8200GY**	**HBL8300GY**
	Ivory	**HBL8200I**	**HBL8300I**
	Light Almond	**HBL8200LA**	**HBL8300LA**
	Red	**HBL8200RED**	**HBL8300RED**
	White	**HBL8200W**	**HBL8300W**
Flush, LED illuminated face, back and side wired.	Gray	**HBL8200ILGY**	**HBL8300ILGY**
	Ivory	**HBL8200ILI**	**HBL8300ILI**
	Red	**HBL8200ILR**	**HBL8300ILR**
	White	**HBL8200ILW**	**HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown	**HBL8200SGA**	**HBL8300SGA**
	Gray	**HBL8200SGGYA**	**HBL8300SGGYA**
	Ivory	**HBL8200SGIA**	**HBL8300SGIA**
	Light Almond	**HBL8200SGLA**	**HBL8300SGLA**
	Red	**HBL8200SGRA**	**HBL8300SGRA**
	White	**HBL8200SGWA**	**HBL8300SGWA**
Isolated ground[Δ].	Orange	**IG8200**	**IG8300**
	Red	**IG8200R**	**IG8300R**

MRI Receptacle, Duplex

Description	Color	Catalog Number	
MRI receptacle, flush, thermoplastic polyester face, back and side wired.	Ivory	**HBL8200IMRI**	**HBL8300IMRI**
	Light Almond	**HBL8200LAMRI**	**HBL8300LAMRI**
	Red	**HBL8200RMRI**	**HBL8300RMRI**
	White	**HBL8200WMRI**	**HBL8300WMRI**

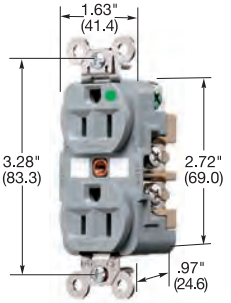
Slender/Compact, Duplex

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, back, and side wired. Fed. Spec. verified.	Brown	**HBL8200H**	**HBL8300H**
	Gray	**HBL8200HG**	**HBL8300HG**
	Green	**–**	**HBL8300HGN**
	Ivory	**HBL8200HI**	**HBL8300HI**
	Light Almond	**HBL8200HLA**	**HBL8300HLA**
	Red	**HBL8200HRED**	**HBL8300HRED**
	White	**HBL8200HW**	**HBL8300HW**

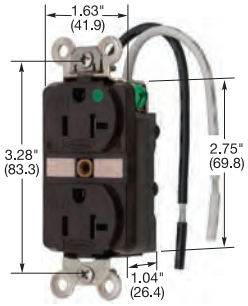
Style Line® Decorator*

Description	Color	Catalog Number	
Flush, nylon face, back and side wired.	Brown	**HBL2172**	**HBL2182**
	Gray	**HBL2172GY**	**HBL2182GY**
	Ivory	**HBL2172I**	**HBL2182I**
	Office White	**–**	**HBL2182OW**
	Red	**HBL2172R**	**HBL2182R**
	White	**HBL2172WA**	**HBL2182WA**
Isolated ground[Δ].	Ivory	**–**	**IG2182I**
	Orange	**–**	**IG2182**
	White	**–**	**IG2182WA**

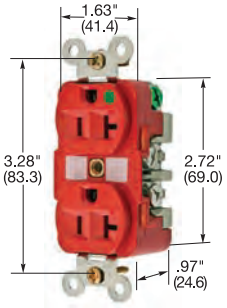
Note: [Δ]*See section M for additional information on isolated ground devices.*
**Not Fed. Spec. Listed.*
See page A-46 and A-47 for accessories.
See page L-19 for technical information.
See page Tech-10 for Tamper-Resistant description.
See section N for wallplates.



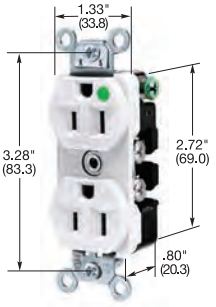
HBL8200GY



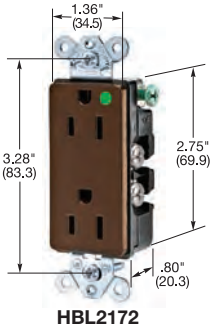
HBL8300SGA



HBL8300RMRI



HBL8200ILW

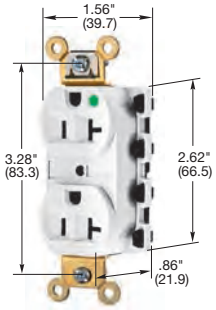


HBL2172

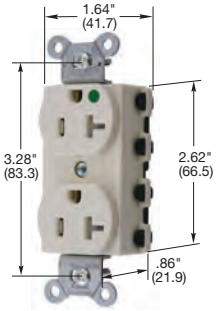
Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Fed.Spec.



SNAP8300WA



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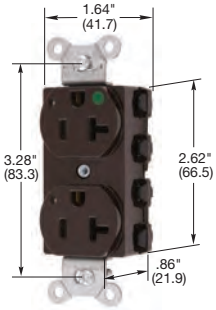
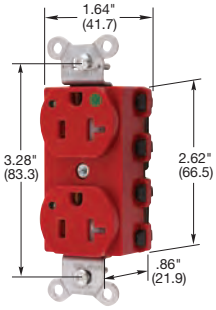
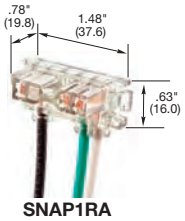


SNAP8300L



SNAP8300RLTR



SNAP1RA

Dimensions in Inches (mm)

IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Extra Heavy Duty Hospital Grade ● SNAP*Connect*®

Duplex

Description	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA*.	Black	**SNAP8200BKA***	**SNAP8300BKA***
	Brown	**SNAP8200A***	**SNAP8300A***
	Gray	**SNAP8200GYA***	**SNAP8300GYA***
	Ivory	**SNAP8200IA***	**SNAP8300IA***
	Light Almond	**SNAP8200LAA***	**SNAP8300LAA***
	Red	**SNAP8200RA***	**SNAP8300RA***
	White	**SNAP8200WA***	**SNAP8300WA***
TR Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP8200BKTR**	**SNAP8300BKTR**
	Brown	**SNAP8200TR**	**SNAP8300TR**
	Gray	**SNAP8200GYTR**	**SNAP8300GYTR**
	Ivory	**SNAP8200ITR**	**SNAP8300ITR**
	Light Almond	**SNAP8200LATR**	**SNAP8300LATR**
	Red	**SNAP8200RTR**	**SNAP8300RTR**
	White	**SNAP8200WTR**	**SNAP8300WTR**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP8200IGTR**	**SNAP8300IGTR**
	Red	**SNAP8200RIGTR**	**SNAP8300RIGTR**
PWR Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP8200BKL**	**SNAP8300BKL**
	Brown	**SNAP8200L**	**SNAP8300L**
	Gray	**SNAP8200GYL**	**SNAP8300GYL**
	Ivory	**SNAP8200IL**	**SNAP8300IL**
	Light Almond	**SNAP8200LAL**	**SNAP8300LAL**
	Red	**SNAP8200RL**	**SNAP8300RL**
	White	**SNAP8200WL**	**SNAP8300WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP8200BKLTR**	**SNAP8300BKLTR**
	Brown	**SNAP8200LTR**	**SNAP8300LTR**
	Gray	**SNAP8200GYLTR**	**SNAP8300GYLTR**
	Ivory	**SNAP8200ILTR**	**SNAP8300ILTR**
	Light Almond	**SNAP8200LALTR**	**SNAP8300LALTR**
	Red	**SNAP8200RLTR**	**SNAP8300RLTR**
	White	**SNAP8200WLTR**	**SNAP8300WLTR**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP8200IGLTR**	**SNAP8300IGLTR**
	Red	**SNAP8200RIGLTR**	**SNAP8300RIGLTR**

** For Assembled in USA receptacles drop off the last "A" and add suffix NA. Ex: SNAP8200BKNA.*

Note: [Δ]See section M additional information on isolated ground devices.
See page A-14 for additional information on SNAPConnect® features.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See pages A-46 and A-47 for accessories.
See page L-20 for technical information.
See section N for wallplates.
Consult factory for available Split-Circuit capable SNAPConnect® devices.

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

Note: For Assembled in USA products, must order connector with NA suffix.
See page L-20 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Extra Heavy Duty Hospital Grade ● SNAP*Connect*®

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA*.	Black	**SNAP2172BKA***	**SNAP2182BKA***
	Brown	**SNAP2172A***	**SNAP2182A***
	Gray	**SNAP2172GYA***	**SNAP2182GYA***
	Ivory	**SNAP2172IA***	**SNAP2182IA***
	Light Almond	**SNAP2172LAA***	**SNAP2182LAA***
	Red	**SNAP2172RA***	**SNAP2182RA***
	White	**SNAP2172WA***	**SNAP2182WA***
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2172BKTR**	**SNAP2182BKTR**
	Brown	**SNAP2172TR**	**SNAP2182TR**
	Gray	**SNAP2172GYTR**	**SNAP2182GYTR**
	Ivory	**SNAP2172ITR**	**SNAP2182ITR**
	Light Almond	**SNAP2172LATR**	**SNAP2182LATR**
	Red	**SNAP2172RTR**	**SNAP2182RTR**
	White	**SNAP2172WTR**	**SNAP2182WTR**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP2172IGTR**	**SNAP2182IGTR**
	Red	**SNAP2172RIGTR**	**SNAP2182RIGTR**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2172BKL**	**SNAP2182BKL**
	Brown	**SNAP2172L**	**SNAP2182L**
	Gray	**SNAP2172GYL**	**SNAP2182GYL**
	Ivory	**SNAP2172IL**	**SNAP2182IL**
	Light Almond	**SNAP2172LAL**	**SNAP2182LAL**
	Red	**SNAP2172RL**	**SNAP2182RL**
	White	**SNAP2172WL**	**SNAP2182WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2172BKLTR**	**SNAP2182BKLTR**
	Brown	**SNAP2172LTR**	**SNAP2182LTR**
	Gray	**SNAP2172GYLTR**	**SNAP2182GYLTR**
	Ivory	**SNAP2172ILTR**	**SNAP2182ILTR**
	Light Almond	**SNAP2172LALTR**	**SNAP2182LALTR**
	Red	**SNAP2172RLTR**	**SNAP2182RLTR**
	White	**SNAP2172WLTR**	**SNAP2182WLTR**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP2172IGLTR**	**SNAP2182IGLTR**
	Red	**SNAP2172RIGLTR**	**SNAP2182RIGLTR**

** For Assembled in USA receptacles drop off the last "A" and add suffix NA. Ex: SNAP2172BKNA.*

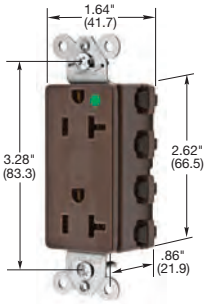
Note: [Δ]See section M additional information on isolated ground devices.
See page A-14 for additional information on SNAPConnect® features.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See pages A-46 and A-47 for accessories.
See page L-20 for technical information.
See section N for wallplates.
Consult factory for available Split-Circuit capable SNAPConnect® devices.

SNAP*Connect*® Right Angle Pigtailed Connector

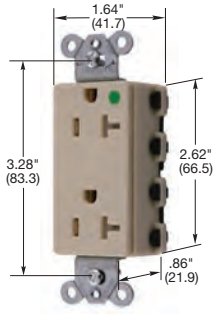
Description	Wire Type	General Use Catalog Number	Assembled in USA Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

Note: For Assembled in USA products, must order connector with NA suffix.
See page L-20 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



SNAP2182A



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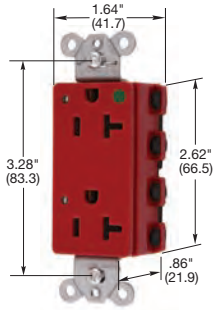

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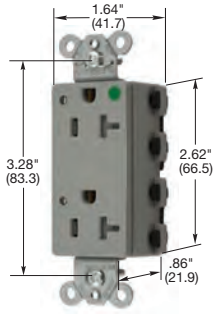

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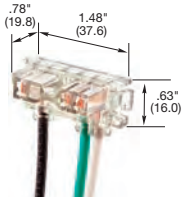
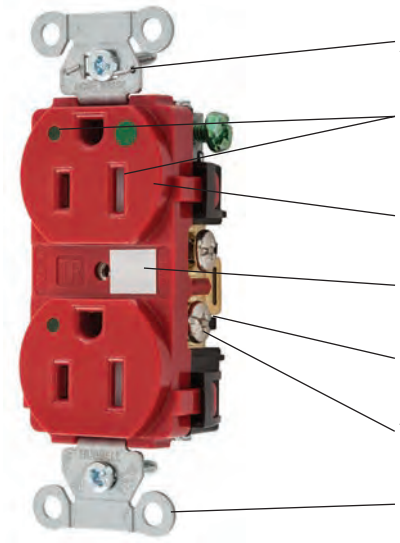
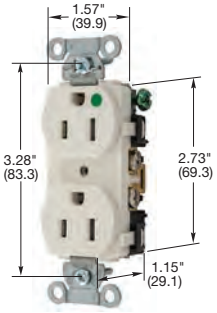


SNAP1RA

Dimensions in Inches (mm)



8200REDLTR



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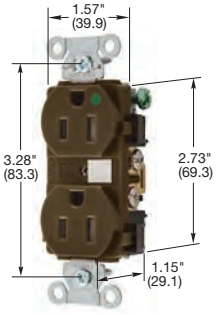

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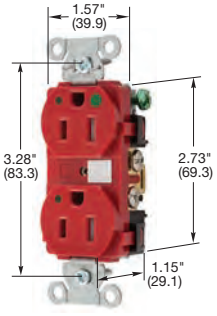


8200REDLTR

Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Hospital Grade ● Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

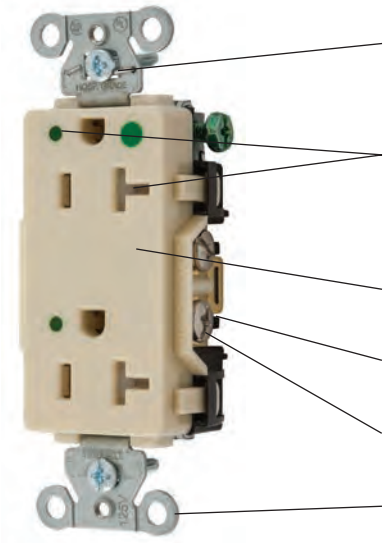
20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex

Description	Color	Catalog Number	
Hospital grade, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BK**	**8300BK**
	Brown	**8200**	**8300**
	Gray	**8200GY**	**8300GY**
	Ivory	**8200IV**	**8300IV**
	Light Almond	**8200LA**	**8300LA**
	Red	**8200RED**	**8300RED**
	White	**8200WHI**	**8300WHI**
TR Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKTR**	**8300BKTR**
	Brown	**8200TR**	**8300TR**
	Gray	**8200GYTR**	**8300GYTR**
	Ivory	**8200IVTR**	**8300IVTR**
	Light Almond	**8200LATR**	**8300LATR**
	Red	**8200REDTR**	**8300REDTR**
	White	**8200WTR**	**8300WTR**
PWR Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKL**	**8300BKL**
	Brown	**8200L**	**8300L**
	Gray	**8200GYL**	**8300GYL**
	Ivory	**8200IVL**	**8300IVL**
	Light Almond	**8200LAL**	**8300LALM**
	Red	**8200REDL**	**8300REDL**
	White	**8200WL**	**8300WL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKLTR**	**8300BKLTR**
	Brown	**8200LTR**	**8300LTR**
	Gray	**8200GYLTR**	**8300GYLTR**
	Ivory	**8200IVLTR**	**8300IVLTR**
	Light Almond	**8200LALTR**	**8300LALTR**
	Red	**8200REDLTR**	**8300REDLTR**
	White	**8200WLTR**	**8300WLTR**

Note: See pages A-46 and A-47 for accessories.
See page L-21 for technical information.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section N for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



2182IVLTR

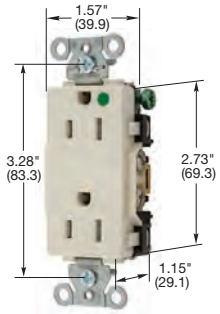
Hubbell-PRO Heavy Duty Hospital Grade ● Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

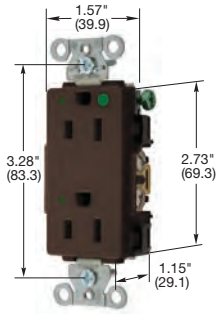
Style Line® Decorator

Description	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BK**	**2182BK**
	Brown	**2172**	**2182**
	Gray	**2172GY**	**2182GY**
	Ivory	**2172IV**	**2182IV**
	Light Almond	**2172LA**	**2182LA**
	Red	**2172RED**	**2182RED**
	White	**2172W**	**2182W**
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKTR**	**2182BKTR**
	Brown	**2172TR**	**2182TR**
	Gray	**2172GYTR**	**2182GYTR**
	Ivory	**2172IVTR**	**2182IVTR**
	Light Almond	**2172LATR**	**2182LATR**
	Red	**2172REDTR**	**2182REDTR**
	White	**2172WTR**	**2182WTR**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKL**	**2182BKL**
	Brown	**2172L**	**2182L**
	Gray	**2172GYL**	**2182GYL**
	Ivory	**2172IVL**	**2182IVL**
	Light Almond	**2172LAL**	**2182LAL**
	Red	**2172REDL**	**2182REDL**
	White	**2172WL**	**2182WL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKLTR**	**2182BKLTR**
	Brown	**2172LTR**	**2182LTR**
	Gray	**2172GYLTR**	**2182GYLTR**
	Ivory	**2172IVLTR**	**2182IVLTR**
	Light Almond	**2172LALTR**	**2182LALTR**
	Red	**2172REDLTR**	**2182REDLTR**
	White	**2172WLTR**	**2182WLTR**



2172LATR

TR

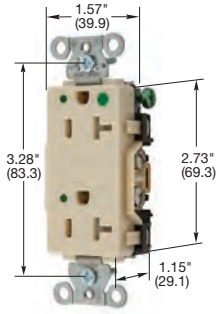


2172L

PWR

PWR

TR

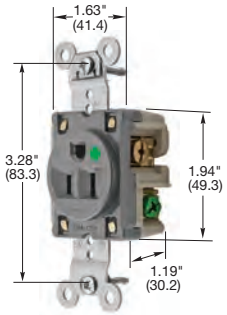


2182IVLTR

Dimensions in Inches (mm)

Note: See pages A-46 and A-47 for accessories.
See page L-21 for technical information.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section N for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



HBL8210GY

HBL® Extra Heavy Duty Hospital Grade ● Single Receptacles

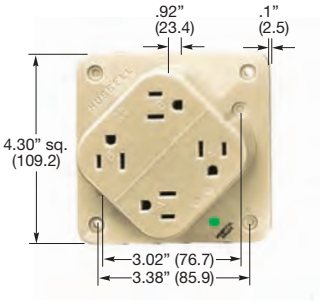
IP20
SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Flush, nylon face, back and side wired, Fed. Spec. verified.	Almond	–	**HBL8310AL**
	Brown	**HBL8210**	**HBL8310**
	Gray	**HBL8210GY**	**HBL8310GY**
	Ivory	**HBL8210I**	**HBL8310I**
	Red	**HBL8210R**	**HBL8310R**
	White	**HBL8210W**	**HBL8310W**
Panel mount on 1.94 in. (49.2) centers.	Brown	**HBL8284**	–
	Ivory	**HBL8284I**	**HBL8384I**
Isolated ground[Δ].	Orange	**IG8210**	**IG8310**

Note: [Δ]See section M for additional information on isolated ground devices.



HBL415HI

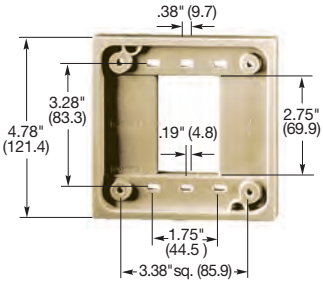
4-PLEX® Hospital Grade ● Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	**HBL415H**	**HBL420H**
	Gray	–	**HBL420HGY**
	Ivory	**HBL415HI**	**HBL420HI**
	Red	**HBL415HR**	**HBL420HR**
	White	**HBL415HW**	**HBL420HW**
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Brown	**HBL4AP**	**HBL4AP**
	Gray	**HBL4APGY**	**HBL4APGY**
	Ivory	**HBL4API**	**HBL4API**
	Red	**HBL4APR**	**HBL4APR**
	White	**HBL4APW**	**HBL4APW**

Note: See page A-23 for additional information on 4-PLEX devices.
See page A-60 for technical information.
4-PLEX devices are not Fed. Spec. Listed.



HBL4API

Dimensions in Inches (mm)

USB Charger Tamper-Resistant Duplex Receptacle

Hubbell's USB Charger Receptacle provides both USB and AC electrical power in a standard single gang electrical opening. Designed to provide more charging options for personal electronics.

Typical Applications
Ideal for use in renovation, new construction and to add capacity for USB charging. Especially suited for use in hotels, hospitals, schools, offices, homes and more.

Hotels

Healthcare

Schools

Offices

Residential

Capability to charge wide range of devices including:

- Tablets
- Smartphones
- MP3 players
- Apple® iPad®
- Apple® iPod®
- Apple® iPhone®

- Complies with battery charging specification USB BC1.2
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products
- Complies with Part 15 of the FCC rules
- cULus listed to UL498 and UL1310

USB8300W

USB Charger Tamper-Resistant Hospital Grade ● Receptacles

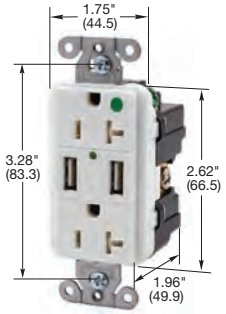
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	15A 125V AC	20A 125V AC
USB Charger Tamper-Resistant receptacle, Two USB Type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC decorator duplex.	Black	**USB8200BK**	**USB8300BK**
	Brown	**USB8200**	**USB8300**
	Gray	**USB8200GY**	**USB8300GY**
	Ivory	**USB8200I**	**USB8300I**
	Light Almond	**USB8200LA**	**USB8300LA**
	Red	**USB8200R**	**USB8300R**
	White	**USB8200W**	**USB8300W**

Note: See page A-18 for standard USB charger.
See page Tech-10 for Tamper-Resistant description.

Apple, iPad, iPod and iPhone are registered trademarks of Apple, inc.



USB8300W

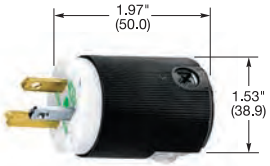
Dimensions in Inches (mm)

IP20 SUITABILITY

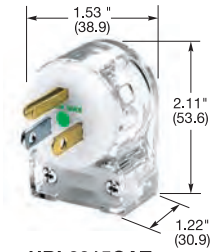
15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

Hospital Grade ● Plugs



HBL8215C



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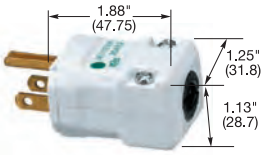


HBL8115V

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	–

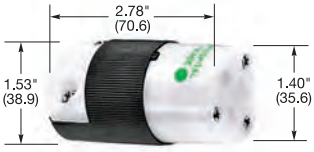
*Note: *Not Fed. Spec. Listed.*
See page A-47 for accessories.
See pages L-23 and L-24 for technical information.

IP20 SUITABILITY

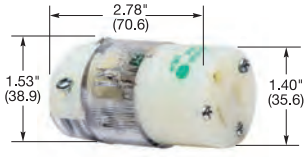
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

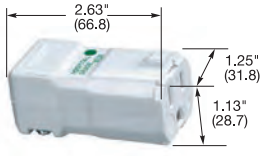
Hospital Grade ● Connector Bodies



HBL8219C



HBL8219CT



HBL8119V

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	–

Note: See page A-47 for accessories.
See pages L-23 and L-24 for technical information.

Dimensions in Inches (mm)

IP20
SUITABILITY

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

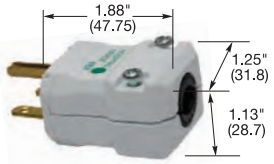
20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.



HBL8666V

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

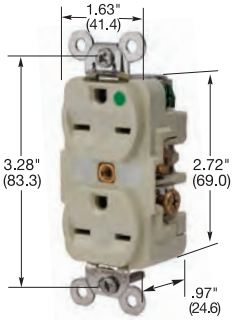
20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Receptacles

HBL® Extra Heavy Duty, Duplex

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired, multiple drive screws.	Brown	**HBL8600**	**HBL8400**
	Ivory	**HBL8600I**	**HBL8400I**

Note: See page A-46 for accessories.
See section N for wallplates.



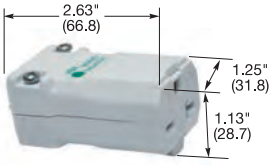
HBL8600I

20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Number
White nylon.	.300"-.660" (7.6-16.8)	**HBL8469V**



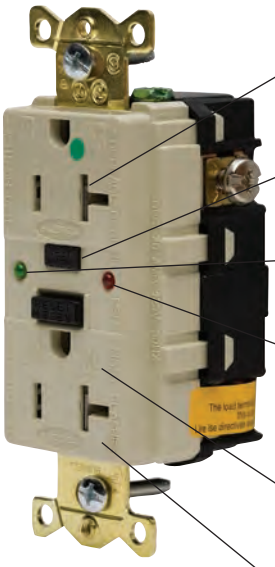
HBL8469V

Dimensions in Inches (mm)

Extra Heavy Duty GFCI Receptacles
Tamper-Resistant and Weather Resistant

Fed.Spec.

Meets UL Standard 943
Class A GFCI



GFR8300SGI

10kA Short Circuit Current Rating

Limits improper access to energized contacts
- Exclusive patented tamper-resistant protection through switching technology

Continually tests and monitors for people protection automatically
- Patented self test diagnostics

Power indication
- Steady **"ON" GREEN LED** provides indication of power

Ground fault indicator
- Steady **"ON" RED LED** provides visual indication of a ground fault condition; flashing red indicates device has lost capability to provide protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Durable face with V-0 flammability rating
- Polyester face cover

GFR8300SGW

Hospital Grade ● AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	**GFR8200SGBK**	**GFR8300SGBK**
		Brown	**GFR8200SG**	**GFR8300SG**
		Gray	**GFR8200SGGY**	**GFR8300SGGY**
		Ivory	**GFR8200SGI**	**GFR8300SGI**
		Red	**GFR8200SGR**	**GFR8300SGR**
		White	**GFR8200SGW**	**GFR8300SGW**

GFR8300RTR

Hospital Grade ● CircuitGuard® GFCI Receptacles Tamper-Resistant and Weather Resistant

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Flush, polyester face, back and side wired, multiple drive screws.	15 and 20A 125V AC	Black	**GFR8200BKTR**	**GFR8300BKTR**
		Brown	**GFR8200TR**	**GFR8300TR**
		Gray	**GFR8200GYTR**	**GFR8300GYTR**
		Ivory	**GFR8200ITR**	**GFR8300ITR**
		Red	**GFR8200RTR**	**GFR8300RTR**
		White	**GFR8200WTR**	**GFR8300WTR**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color nylon wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability.
See page Tech-10 for Tamper and Weather Resistant descriptions.

Heavy Duty GFCI Receptacles Tamper-Resistant and Weather Resistant with Auto Grounding

Meets UL Standard 943
Class A GFCI

10kA Short Circuit Current Rating

Limits improper access to energized contacts
- Patented shutter design for tamper-resistant protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Ground fault EOL indicator
- Flashing **RED** indicates device has lost capability to provide protection

Accepts fork terminals
- Open terminal design

Installation ease
- Internal back wiring
- Automatic self-grounding staple
- Captive mounting screws

GFR8300HITR

Hospital Grade ● Circuit Guard® GFCI Receptacles Tamper-Resistant and Weather Resistant

15A 125V NEMA 5-15R UL CSA 0.5 HP
20A 125V NEMA 5-20R UL CSA 1 HP

Description	Rating	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFR8200HBKTR**	**GFR8300HBKTR**
		Brown	**GFR8200HTR**	**GFR8300HTR**
		Gray	**GFR8200HGYTR**	**GFR8300HGYTR**
		Ivory	**GFR8200HITR**	**GFR8300HITR**
		Light Almond	**GFR8200HLATR**	**GFR8300HLATR**
		Red	**GFR8200HRTR**	**GFR8300HRTR**
		White	**GFR8200HWTR**	**GFR8300HWTR**

GFR8200HGYTR

Hospital Grade ● Tamper-Resistant and Weather Resistant Assembled in USA

15A 125V NEMA 5-15R UL CSA 0.5 HP
20A 125V NEMA 5-20R UL CSA 1 HP
Fed.Spec.

Description	Rating	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. Assembled in USA.	15 and 20A 125VAC	Black	**GFR8200HBKTRU**	**GFR8300HBKTRU**
		Brown	**GFR8200HTRU**	**GFR8300HTRU**
		Gray	**GFR8200HGYTRU**	**GFR8300HGYTRU**
		Ivory	**GFR8200HITRU**	**GFR8300HITRU**
		Light Almond	**GFR8200HLATRU**	**GFR8300HLATRU**
		Red	**GFR8200HRTRU**	**GFR8300HRTRU**
		White	**GFR8200HWTRU**	**GFR8300HWTRU**

GFR8300HTRU

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feed-through capability.
See page Tech-10 for Tamper and Weather Resistant descriptions.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Heavy Duty GFCI Receptacles LED with Auto Grounding and Assembled in USA GFCI LED Receptacles

GFR8200HILA

10kA Short Circuit Current Rating

Comprehensive diagnostics
- When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested

Ground fault EOL indicator
- Flashing **RED** indicates device has lost capability to provide protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Installation ease
- Internal back wiring
- Automatic self-grounding staple
- Captive mounting screws

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

GFR8200HWLA

Hospital Grade ● Circuit Guard® GFCI Receptacles

Description	Rating	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFR8200HBKLA**	**GFR8300HBKLA**
		Brown	**GFR8200HLA**	**GFR8300HLA**
		Gray	**GFR8200HGYLA**	**GFR8300HGYLA**
		Ivory	**GFR8200HILA**	**GFR8300HILA**
		Light Almond	**GFR8200HLAA**	**GFR8300HLAA**
		Red	**GFR8200HRLA**	**GFR8300HRLA**
		White	**GFR8200HWLA**	**GFR8300HWLA**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with a matching color nylon wallplate. 20 amp feed-through capability.

GFR8300HRLU

Hospital Grade ● GFCI LED Assembled in USA

Fed.Spec.

Description	Rating	Color	Catalog Number	
Hospital Grade ●, impact resistant flush nylon face, back and side wired, self-grounding staple. Assembled in USA.	15 and 20A 125V AC	Black	**GFR8200HBKLU**	**GFR8300HBKLU**
		Brown	**GFR8200HLU**	**GFR8300HLU**
		Gray	**GFR8200HGYLU**	**GFR8300HGYLU**
		Ivory	**GFR8200HILU**	**GFR8300HILU**
		Light Almond	**GFR8200HLALU**	**GFR8300HLALU**
		Red	**GFR8200HRLU**	**GFR8300HRLU**
		White	**GFR8200HWLU**	**GFR8300HWLU**

GFCI Receptacle Specifications per GFCI Products Listed (Pages L-12 to L-15)

Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978. CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

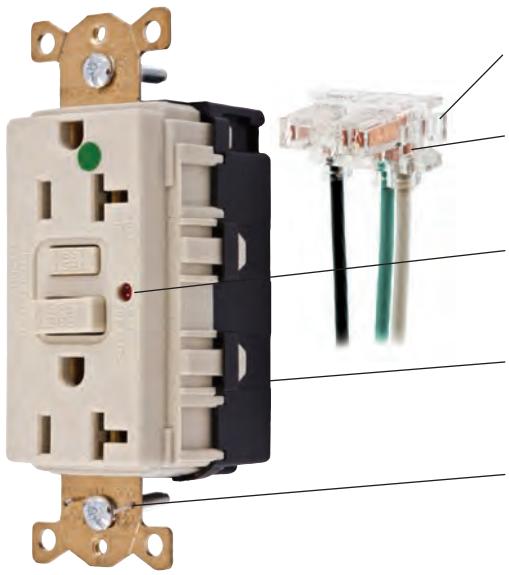
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

SNAP*Connect*® Heavy Duty GFCI Receptacles Assembled in USA

Fed.Spec.

Meets UL Standard 943 Class A GFCI



GFR8300SNAPINA

SNAP*Connect*® GFCI Features

Audible SNAP, indicates solid connection
- Secure, easy grip latch

Inspection of power contacts
- Clear terminal housing
- No exposed metal

Ground fault EOL indicator
- Flashing **RED** indicates device has lost capability to provide protection

Requires minimal box space
- Compact size
- Clean finished look

Installation ease
- Automatic self-grounding staple

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● SNAP*Connect*® GFCI LED Assembled in USA

Description	Rating	Color	Catalog Number	
SNAP*Connect*® GFCI, self-grounding staple. Assembled in USA. Requires connector below, sold separately.	15 and 20A 125V AC	Black	**GFR8200SNAPBKNA**	**GFR8300SNAPBKNA**
		Brown	**GFR8200SNAPNA**	**GFR8300SNAPNA**
		Gray	**GFR8200SNAPGYNA**	**GFR8300SNAPGYNA**
		Ivory	**GFR8200SNAPINA**	**GFR8300SNAPINA**
		Light Almond	**GFR8200SNAPLANA**	**GFR8300SNAPLANA**
		Red	**GFR8200SNAPRNA**	**GFR8300SNAPRNA**
		White	**GFR8200SNAPWNA**	**GFR8300SNAPWNA**

GFR8200SNAPWNA

Hospital Grade ● SNAP*Connect*® GFCI LED Tamper and Weather Resistant, Assembled in USA

Description	Rating	Color	Catalog Number	
SNAP*Connect*® GFCI TR/WR, self-grounding staple. Assembled in USA. Requires connector below, sold separately.	15 and 20A 125V AC	Black	**GFTR8200SNAPBKNA**	**GFTR8300SNAPBKNA**
		Brown	**GFTR8200SNAPNA**	**GFTR8300SNAPNA**
		Gray	**GFTR8200SNAPGYNA**	**GFTR8300SNAPGYNA**
		Ivory	**GFTR8200SNAPINA**	**GFTR8300SNAPINA**
		Light Almond	**GFTR8200SNAPLANA**	**GFTR8300SNAPLANA**
		Red	**GFTR8200SNAPRNA**	**GFTR8300SNAPRNA**
		White	**GFTR8200SNAPWNA**	**GFTR8300SNAPWNA**

GFTR8300SNAPGYNA

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use Catalog Number	Buy American Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**

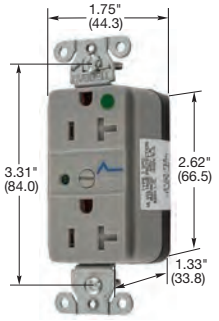
SNAP1RNA

Note: For Assembled in USA products, must order connector with NA suffix.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section N for wallplates.

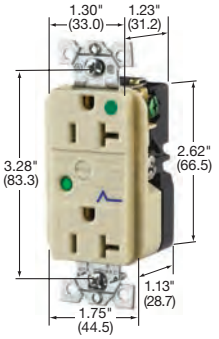
Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Surge Protection Devices

15 and 20 Ampere, 125 Volts AC 60 Hz



SNAP8362GYS



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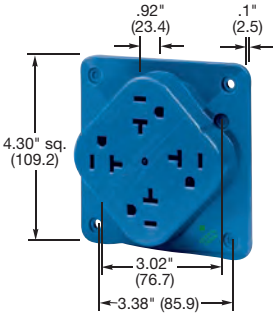

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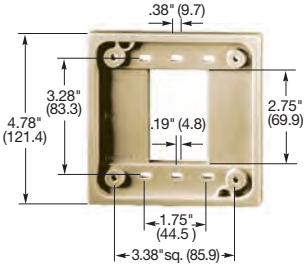


HBL4API

HBL6PSHG

Dimensions in Inches (mm)

Hospital Grade ● Circuit Guard® Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
SNAP*Connect*® Tamper-Resistant, surge supression receptacle, smooth face, duplex. Requires connector on page L-15, sold separately.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	**HBL8262ALSA**	**HBL8362ALSA**
	Blue	**HBL8262SA**	**HBL8362SA**
	Gray	**HBL8262GYSA**	**HBL8362GYSA**
	Ivory	**HBL8262ISA**	**HBL8362ISA**
	Red	**HBL8262RSA**	**HBL8362RSA**
	White	**HBL8262WSA**	**HBL8362WSA**
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	**IG8262SA**	**IG8362SA**
	Gray	**IG8262GYSA**	**IG8362GYSA**
	Ivory	**IG8262ISA**	**IG8362ISA**
	Orange	**IG8262OSA**	**IG8362OSA**
	Red	**IG8262RSA**	**IG8362RSA**
	White	**IG8262WSA**	**IG8362WSA**
4-PLEX® surge suppression receptacles with lights, 80 joules/6500A per mode.	Blue	–	**HBL420HS**
	Ivory	–	**HBL420HIS**
	Red	–	**HBL420HRS**

Note: See page Tech-10 for Tamper-Resistant description.

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes.	Blue	**HBL4APBL**
	Ivory	**HBL4API**
	Red	**HBL4APR**
4-PLEX Portable Box. Portable 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL Listed.

Metallic Power Strip Surge Protected

UL 1449
3rd Edition

Description	Catalog Number
15A 125V power strip with filtering, surge protection, 3 hospital grade duplex receptacles, 6 foot power supply cord and hospital grade plug.	**HBL6PSHG**

Note: See section M for additinal information on surge protection products.

Wallplates (Sold Separately)

Configuration	High-Impact Nylon			Plated Steel		Stainless Steel (S/S) Brass	
	Color	Standard	Mid-Size				
1-Gang	Almond	**NP26AL**	**NPJ26AL**	Chrome	**SCH26**	Smooth S/S	**SS26**
	Blue	–	**NPJ26CBL***	Brass	**SBP26**	Smooth S/S	**SSJ26**⅄
	Blue	–	**NPJ26BL**	Plated		Smooth Brass	**SB26**
	Gray	**NP26GY**	**NPJ26GY**				
	Ivory	–	**NPJ26C***				
	Ivory	**NP26I**	**NPJ26I**				
	Off. White	**NP26OW**	**NPJ26OW**				
	Orange	**NP26OIG****	–				
	Red	**NP26R**	**NPJ26R**				
	White	**NP26W**	**NPJ26W**				

*Note: *Premarked "COMPUTER ONLY." Lettering is block ¼" high.*
***Premarked "ISOLATED GROUND." Lettering is block ¼" high.*
⅄ Jumbo size plate.
See page A-60 for technical information on 4-PLEX devices.

Hubbellock® Plugs, Connector Bodies and Receptacles

20 Ampere, 125 Volts AC only, 2 Pole, 3 Wire Grounding

For Hospital Use Only

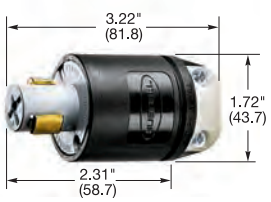
Hubbellock® Plugs and Connector Bodies

20A 125V AC

20A 125V AC

Description	Plugs	Connector Bodies
Nylon cover, thermoset interior.	**HBL23014HGB**	**HBL23001HGB**
Armored, epoxy filled, rubber cord grip.	**HBL23004HG**	–

Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).



HBL23014HGB

Receptacles

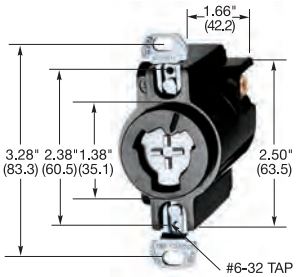
Description	Catalog Number	
Black, back wired.	–	**HBL23000HG**

HBL23001HGB

Wallplates

Description	Catalog Number
Stainless steel 302/304, single-gang.	**HBL23901HG**
Stainless steel 302/304, three-gang for two receptacles.	**HBL23909HG**

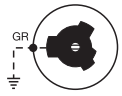
Note: Suffix HG or HGB type for hospital use only.



HBL23000HG

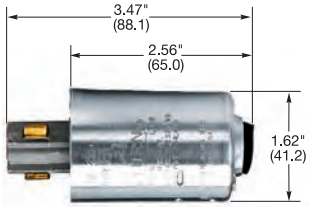
Explosion Proof Plug

IP30
SUITABILITY



20A 125V AC

Description	Catalog Number
Plug, with, epoxy kit, accepts #12 or #14 type SO cable.	**HBL24312**



HBL24312

Hazardous to Non-hazardous Location Receptacle Conversion Kits

Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

For Conversion To:	Catalog Number
20A, 125V, duplex receptacle (Hubbell HBL830 Series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included).	**HBL24300RKD**
20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle (receptacle not included.	**HBL24300RKS**

24352 Low-profile style explosion-proof receptacle (now discontinued).

HBL24300RKD Retrofit kit for duplex receptacles.

HBL24300RKD Duplex retrofit kit accepts 20A duplex straight blade hospital grade receptacles (HBL8300, HBL8300I, IG8300, etc.). Order receptacles separately.

HBL24300RKS Retrofit kit for single receptacles.

HBL24300RKS Single retrofit accepts hospital only Hubbellock single receptacles (Hubbell HBL23000HG) or 20A single straight blade hospital grade receptacles (Hubbell HBL8310, HBL8310I, IG8310, etc.). Order receptacles separately.

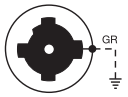
Dimensions in Inches (mm)

Hubbellock® Mobile X-Ray Devices

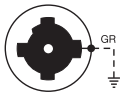
50 and 60 Ampere, 250 Volts AC, 2 Pole, 3 Wire Grounding

HBL25515

IP30
SUITABILITY



50A 250V AC

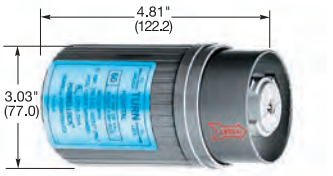


60A 250V AC

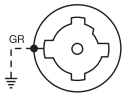
Mobile X-Ray Plugs

Description	Catalog Number	
Plug, with epoxy kit, less cord clamp.	**HBL25515**	**HBL25615**
Plug, with cord clamp, less epoxy kit.	**HBL25525**	**HBL25625**

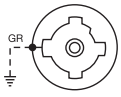
Note: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0).
50A plugs fit 50A or 60A receptacles.



HBL25615



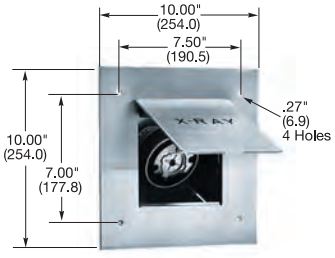
50A 250V AC



60A 250V AC

Mobile X-Ray Receptacles

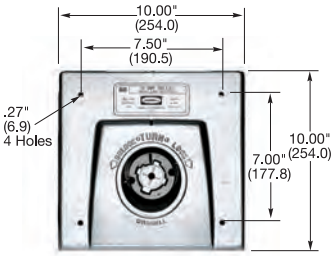
Description	Catalog Number	
Receptacle with stainless steel plate assembly.	**HBL25505**	**HBL25605**
Receptacle with cast aluminum plate assembly.	**HBL25503**	**HBL25603**
Replacement receptacle interior.	**–**	**IN16494**



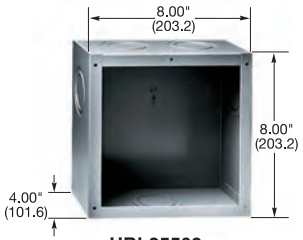
HBL25605

Accessory

Description	Catalog Number
Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 1¼", 1½" and 2".	**HBL25509**



HBL25603



HBL25509

Dimensions in Inches (mm)

HBL8200GY

HBL® Extra Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL8200	Receptacle	15A
Manufacturer's Identification – Hubbell HBL8200	Top	PBT*
Description – Hospital Grade, Straight Blade Duplex Receptacle	Base	RTP**
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass – Nickel Finish
Rating – 15A, 125V	Clamping Plate	.031 in. (.8) Brass – Nickel Finish
Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596,	Mounting Strap	.050 in. (1.3) Brass – Nickel Finish
Hospital Grade, NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Silicone Bronze, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Hex Head Grounding Screw	#10-32 (Green) Silicon Bronze, Multiple Drive
	Center Assembly Rivet	Silicon Bronze
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Stainless Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Polybutylene Terephthalate.*
***Reinforced Thermoplastic Polyester.*

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SNAP*Connect*® Straight Blade Hospital Grade Duplex Receptacles

SNAP8200WA

SNAP2182A

Specifications

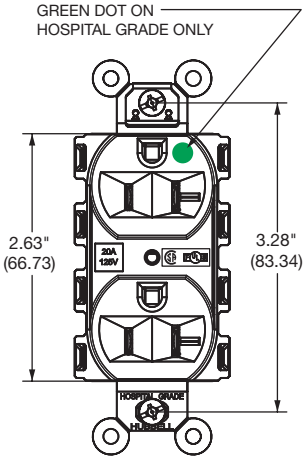
Receptacle	Part	Description
Typical Specification – Catalog No. SNAP8200	Receptacle	15A
Manufacturer's Identification – Hubbell SNAP8200	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	Brass
Rating – 15A, 125V	Mounting Strap	Galvanized Steel; Brass (HG)
Certification – UL Listed to UL 498	Automatic Self-Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping

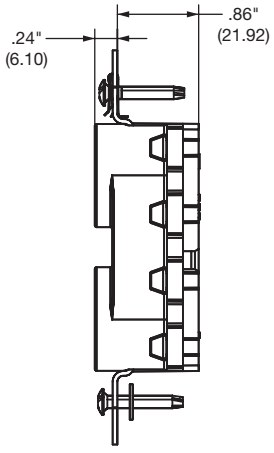
Connector	Contact	Connector Body	Wire
SNAP1RA	Brass	Clear Polycarbonate	6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).
SNAP2RA	Brass	Clear Polycarbonate	6" Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).

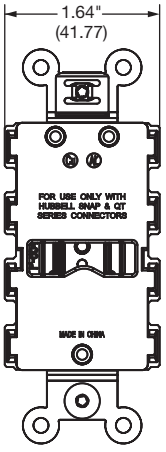
Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.
Mechanical	
Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions







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8200REDLTR

2182IVLTR

Hubbell-PRO Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. 8200	Receptacle	15A
Manufacturer's Identification - Hubbell-Pro 8200	Top	Nylon
Description - Straight Blade Hospital Grade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.0295" Brass
Rating - 15A, 125V	Clamping Plate	Plated Steel
Certification - UL listed to UL 498, Fed Spec WC596	Mounting Strap	.040" Galvalized Steel
Hospital Grade, NEMA® WD-6 Compliant	Terminal Screws	Plated Steel
Certified to CSA	Hex Head Grounding Screw	Plated Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

USB8300R

USB Charger Tamper-Resistant, Straight Blade Hospital Grade Duplex Receptacles

Specifications

USB Charger Receptacle	Part	Description
Typical Specification - Catalog No. USB8300 Manufacturer's Identification - Hubbell USB8300	Charger Receptacle	USB 3 Amp 5VDC, Electrical 15A or 20A 125V
USB Charger	Ports	Type A, 2.0
	LED	Green Indicator
Receptacle	Top	Nylon
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.030" Cooper Alloy
Rating - 15A, 125V	Clamping Plate	Plated Steel
	Mounting Strap	.040" Galvanized Steel
Certification – cULus listed to UL498 and UL1310	Terminal Screws	Plated Steel
Hospital Grade, NEMA® WD-6 Compliant (USB8200	Hex Head Grounding Screw	Plated Steel
and 8300 series only)	Automatic Self-Grounding Staple	Stainless Steel
Complies with battery charging specification USB BC 1.2	Mounting Screws	Zinc Plated Steel
Complies with Part 15 of the FCC rules		
Compatible with SUB 1.1/2.0/3.0 devices, including Apple products		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
USB Port	Stainless Steel Rated for 10,000 plug insertions and removal
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Circuit Feed-Through	20 Amp 125 Volt

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

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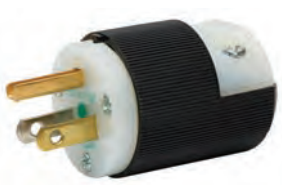

HBL8215C

HBL8219C

Insulgrip® Plugs and Connectors
Hospital Grade

Specifications

Plug	Part	Description
Typical Specification—Catalog No. HBL8215C	Plug	15A
Manufacturer's Identification—Hubbell HBL8215C Plug	Housing	Nylon— Black
Description—Hospital Grade Straight Blade Plug	Blade Holder	Nylon— Natural
Type—2 Pole, 3 Wire Grounding	Retainer	Polycarbonate—Clear
Rating— 15A, 125V	Cord Clamp	Nylon—Natural
Certification—UL Listed, CSA Certified	Contact Blades	.06" (1.5) Brass
UL Verified to Fed. Spec. WC596	Ground Contact Blade	.04" (1.0) Brass
IP Suitability—IP20	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.08" (2.0) Steel—Nickel Finish

Connector	Part	Description
Typical Specification—Catalog No. HBL8219	Connector	15A
Manufacturer's Identification—Hubbell HBL8219C Connector	Housing	Nylon—Black
Description—Hospital Grade Straight Blade Connector Body	Contact Holder	Nylon— Natural
Type—2 Pole, 3 Wire Grounding	Retainer	Polycarbonate—Clear
Rating—15A, 125V	Cord Clamp	Nylon—Natural
Certification—UL Listed, CSA Certified	Contacts	.04" (1.0) Copper Alloy
UL Verified to Fed. Spec. WC596	Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability—IP20	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.08" (2.0) Steel—Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2000V AC minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated voltage DC.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL and CSA (Brass, White, and Green).
Terminal Accommodation	#18-10 AWG.
Product Identification	Ratings are a permanent part of the device.
Torque Range	Cord clamp/terminal screws 9 to 12 in-lbs.
Cord Diameter Range	.230"-.720" (5.8-18.3) Integral cord grip.

Enviromental-Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact)

Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.

HBL8115V

HBL8119V

Valise® Plugs and Connectors Hospital Grade

Specifications

Plug	Part	Description
Typical Specification—Catalog No. HBL8115V	Plug	15A
Manufacturer's Identification—Hubbell HBL8115V Plug	Housing	Nylon
Description—Hospital Grade Straight Body Plug	Contact Blades	Brass
Type— 2 Pole, 3 Wire, Grounding	Ground Blade	Brass
Rating—15A, 125V	Terminal Screws	Multiple Drive
Certifications—UL Listed to UL498	Cable Inserts	Polyphenylene Oxide
File E1706, CSA Certified to C22.2	Terminal Clamps	Plated CR Steel
No. 42 File LR280. Fed. Spec. WC596	Body Holding Screws	Multiple Drive
IP Suitability—IP20		

Connector	Part	Description
Typical Specification—Catalog No. HBL8119V	Connector	15A
Manufacturer's Identifications—Hubbell HBL8119V Connector Body	Housing	Nylon
Description—Hospital Grade Straight Connector Body	Contact and Ground Spring	Brass
Type—2 Pole, 3 Wire, Grounding	Terminal Screws	Multiple Drive
Rating—15A, 125V	Cable Inserts	Polyphenylene Oxide
Certifications—UL Listed to UL498	Terminal Clamps	Plated CR Steel
File E1706, CSA Certified to C22.2	Body Holding Screws	Multiple Drive
No. 42 File LR280. Fed. Spec. WC596		
IP Suitability—IP20		

Performance

Electrical	
Dielectric Voltage	Withstands 2000V AC minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current Interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL and CSA (Brass, White, and Green)
Terminal Accommodation	#16 to #12 AWG.
Product Identification	Ratings are a permanent part of the device.
Torque	Terminal screws 12 in.-lbs. Cord clamp screws 7 to 10 in.-lbs.
Cord Diameter Range	.300" to .660" (7.6 to 16.8)
Enviromental-Material	
Flammability	UL 94HB
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).

Standards

NEMA Configurations WD6.
Listed to UL Standard UL498 and UL Verified to Ped. Spec. WC596.
Certified to CSA Standard C22.2 No. 42.

Section M

SpikeShield® Power Quality Products

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Surge Protection Panels & Wired-In Branch Panels

SpikeShield® Surge Suppression Plug Strips

SNAP*Connect*® Surge and Isolated Ground Receptacles

Surge Suppression & Isolated Ground Receptacles

Panel Protection

The SpikeShield® line of panel surge protection devices offers a broad selection of products to meet the various requirements of industrial, commercial, institutional and residential applications. No other surge suppression system can meet the flexibility, safety and performance standards set by Hubbell.

Hubbell offers surge protection products which can handle peak amperage capacities of 50kA to 320kA.

The SpikeShield product line also includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

The SpikeShield branch panel protection system includes the complete compact and economical 50, 80, 100 and 120kA series product offering.

These wired-in products can protect branch panels, safety switches and load centers. They can be installed as an appendage or flush mounted to a finished wall next to the panel. The versatility of the wired-in products allows them to be used on branch panels, as well as main panel protection in smaller commercial facilities.

320kA, 160kA and 120kA Service/Branch Panel Protection

Features and Benefits

Features	Benefits
Thermal fusing	Thermal fuse prevents the MOVs from overheating when exposed to high current levels.
Compact design with bus-bar pathways	Allows installation in areas with space restrictions. Minimizes connecting lead length which reduces impedance ensuring improved clamping performance.
Peak amp capacity	Protects equipment under the worst electrical conditions.
Bolt-down modules	Assures positive connection and allows for easy replacement.
Fault-current fusing	Prevents excessive panel damage caused by internal short circuits or component failure.
LED and audible alarm status indicator	Provides visual and audible indication of panel status. Green for operational, red for module failure. Audible alarm for module failure with silencing.
Sine wave tracking	Provides uniform clamping throughout the sine wave.

Note: All panel products are UL Listed to Standard 1449-3rd edition.

320kA and 160kA Service/Branch Panel Protection

Ordering Information and Specifications

The SpikeShield® service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge suppression modules) design and feature the latest industry approvals and safety ratings. Including UL 1449-3rd edition.

HBL4P320A

HBL8P160DA

Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 2 SPD)

Voltage V AC	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240 Single phase	1Ph. 3-wire +G	**HBL3P320A**	**HBL3P320DA**	**HBL160M120A**
120/208 Wye*	3Ph. Wye 4-wire +G	**HBL4P320A**	**HBL4P320DA**	**HBL160M120A**
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P320A**	**HBL6P320DA**	**HBL160M240A & HBL160M120A**
277/480 Wye**	3Ph. Wye 4-wire +G	**HBL8P320A**	**HBL8P320DA**	**HBL160M480A**
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10P320A**	**HBL10P320DA**	**HBL160M600A**

Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 2 SPD)

120/240 Single phase	1Ph. 3-wire +G	**HBL3P160A**	**HBL3P160DA**	**HBL160M120A**
120/208 Wye*	3Ph. Wye 4-wire +G	**HBL4P160A**	**HBL4P160DA**	**HBL160M120A**
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P160A**	**HBL6P160DA**	**HBL160M240A & HBL160M120A**
277/480 Wye**	3Ph. Wye 4-wire +G	**HBL8P160A**	**HBL8P160DA**	**HBL160M480A**
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10P160A**	**HBL10P160DA**	**HBL160M600A**

Note: Units come standard with Surge Counter.
**120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

Electrical Specifications

Catalog Number		SCCR ◊	I_n	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL3P320A	**HBL3P160A**	200kA	20kA	150/300	700	700	700	1200
HBL4P320A	**HBL4P160A**	200kA	20kA	150/300	700	700	700	1200
HBL6P320A	**HBL6P160A**	200kA	20kA	270/150	1200/700	1200/700	700	1500/1000
HBL8P320A	**HBL8P160A**	200kA	20kA	320/640	1200	1200	1200	1200
HBL10P320A	**HBL10P160A**	200kA	20kA	420/840	1500	1500	1500	2500

Note: ◊ SCCR - Short Circuit Current Rating.
† MCOV - Maximum Continuous Operating Voltage.
I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions (Wye):	6.0"D x 20.0"W x 24.0"L (with Disconnect); 6.0"D x 12.0"W x 12.0"L (without Disconnect)
Dimensions (Delta):	6.0"D x 16.0"W x 20.0"L (with Disconnect); 7.0"D x 14.0"W x 16.0"L (without Disconnect),
Weight (320kA):	54 lbs. (without Disconnect), 57.5 lbs. (with Disconnect)
Weight (160kA):	21.9 lbs. (without Disconnect), 21.8lbs. (with Disconnect)
Terminal Accommodation:	#10 AWG to #2 AWG
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283, CSA C22.2 NO. 8-M1986
Warranty:	10 year

120kA Service/Branch Panel Protection

Ordering Information and Specifications

The SpikeShield® 120kA branch panel product offering features an economical, compact, modular design.

These wired-in products can protect branch panels, safety switches and load centers. They can be installed as an appendage or flush mounted to a finished wall next to the panel. The versatility of the wired-in products allows them to be used on branch panels, as well as main panel protection found in smaller commercial facilities or residential applications.

HBL8P120B

Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 2 SPD)

Voltage V AC	Configuration	Catalog Number	Replacement Module
120/240 Single Phase	1Ph. 3-wire +G	**HBL3P120B**	**HBL3P120BM**
120/208 Wye*	3Ph. Wye 4-wire +G	**HBL4P120B**	**HBL4P120BM**
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P120B**	**HBL6P120BM**
277/480 Wye**	3Ph. Wye 4-wire +G	**HBL8P120B**	**HBL8P120BM**
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10P120B**	**HBL10P120BM**

Note: Units come standard with Surge Counter.
**120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

Electrical Specifications

Catalog Number	SCCR ◊	I_n	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL3P120B	200kA	20kA	150/270	700	700	700	1200
HBL4P120B	200kA	20kA	150/270	700	700	700	1200
HBL6P120B	200kA	20kA	275/150	1000/700	1000/700	700	1500/1200
HBL8P120B	200kA	20kA	320/640	1200	1200	1200	2000
HBL10P120B	200kA	20kA	390/780	1500	1500	1500	2500

Note: ◊ SCCR - Short Circuit Current Rating.
† MCOV - Maximum Continuous Operating Voltage.
I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	120kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)
Diagnostics:	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter
Dimensions:	7.0"D x 14.0"W x 16.0"L
Weight:	21.8 lbs.
Terminal Accommodation:	#12 AWG to #2 AWG
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	3R/12 Metallic
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283, CSA C22.2 NO. 8-M1986
Warranty:	10 year

Wired-In Branch Panel Protection

100,000 Peak Amperage Capacity

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 100kA product features a NEMA 4X housing and a 200kA SCCR rating.

They SpikeShield wired-in surge protective devices are UL 1449-3rd edition listed.

HBL9W100C

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Service Voltage V AC	Configuration	Catalog Number
120/240 Single Phase	1Ph. 3-wire +G	**HBL3W100C**
120/208 Wye*	3Ph. Wye 4-wire +G	**HBL4W100C**
240 Delta	3Ph. Delta 3-wire Corner Gnd$^{\Delta}$	**HBL5W100C**
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6W100C**
277/480 Wye**	3Ph. Wye 4-wire +G	**HBL8W100C**
480 Delta	3Ph. Delta 3-wire Corner Gnd$^{\Delta}$	**HBL9W100C**
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10W100C**
600 Delta	3Ph. Delta 3-wire Corner Gnd$^{\Delta}$	**HBL11W100C**

*Note: *120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*
$^{\Delta}$Also can be used on ungrounded systems.

Electrical Specifications

Catalog Number	SCCR ◊	I_n	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

Note: ◊ SCCR - Short Circuit Current Rating.
† MCOV - Maximum Continuous Operating Voltage.
I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	100kA
Max. Operating Temperature:	-40°F to 140°F (-40°C to 60°C)
Diagnostics:	Green Status LED's, Audible Alarm, Dry Contacts
Dimensions:	3.1"D x 9.9"W x 4.8"H
Weight:	4.78 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
NEMA:	Type 4X
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Warranty:	10 year

Wired-In Surge Arrestors and Protective Devices

36,000, 40,000 and 50,000 Peak Amperage Capacity

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in surge protective devices feature a compact design, NEMA 4X rating and are UL 1449-3rd edition listed.

HBL3W50

HBLSDSA40

HBLSDSA36

Wired-In Surge Arrestors, Single Phase 36,000 and Three Phase 40,000 (Type 1 / Type 2 SPD)

Service Voltage V AC	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240 Single Phase	1Ph. 3-wire	36kA	Back Nipple Mount	**HBLSDSA36**
347/600V Max Three Phase	3Ph. 4-wire	40kA	Back Nipple Mount	**HBLSDSA40**

Wired-In Surge Protective Devices 50,000 Peak Amp Capacity (Type 1 SPD)

Service Voltage V AC	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240 Single Phase	1Ph. 3-wire + G	50kA	Side Nipple Mount	**HBL3W50**

Electrical Specifications

				Voltage Protection Rating (VPR)			
Catalog Number	SCCR ◊	I_n	MCOV †	L-N	L-G	N-G	L-L
HBLSDSA36	25kA	10kA	150	700	N/A	N/A	1200
HBLSDSA40	200kA	10kA	750/1500	2500	N/A	N/A	4000
HBL3W50	25kA	10kA	150	700	800	N/A	1200
HBL3W120	25kA	10kA	150	700	800	N/A	1200

Note: ◊ SCCR - Short Circuit Current Rating.
† MCOV - Maximum Continuous Operating Voltage.
I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	36kA	40kA	50kA
Max. Operating Temperature:	-40°F to 160°F (-40°C to 70°C)	-40°F to 160°F (-40°C to 70°C)	-40°F to 160°F (-40°C to 70°C)
Diagnostics:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	1.9"D x 2.25"W x 2.25"H	2.64"D x 3.6"W x 3.0"H	2.7"D x 3.0"W x 3.6"H
Weight:	.72 lbs.	1.8 lbs.	1.8 lbs.
Terminal Accommodation:	#14 AWG Wire Leads	#12 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
NEMA:	Type 4X	Type 4X	Type 4X
Listing:	UL1449-3rd edition	UL1449-3rd edition	UL1449-3rd edition
Warranty:	2 year	2 year	10 year

SPIKESHIELD®

Energy Saving

HBL8ESPS1050M: 1050 joule, 6 foot cord, energy saving unit with master/slave set up. Turns power off to peripherals when item plugged into master is powered off.

TR

HBL7PS1050A: 1050 joule, 6 foot cord, $5,000 down-line warranty, tamper-resistant shutters.

HBL4PS1050USB: Four outlet, 1050 joule SPD features a black housing, 6 foot cord, 90 degree plug, and two USB ports for charging smart phones and other electronic devices.

HBL8PS350YL: Yellow, high visibility, robust, metal housing, 350 joules, 6 foot cord, wire management feature, $2,500 down-line warranty.

Surge Protection Plug Strips

15 Ampere, 125 Volts 50/60Hz

SpikeShield® Surge Protective Devices

Plug-in Style Surge Outlets

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Warranty	Catalog Number
Single outlet plug-in SPD	1	750	13.5kA	N/A	Off. White	N/A	**HBL1PI750**
Single outlet plug-in SPD w/phone line protection	1	750	13.5kA	N/A	Off. White	N/A	**HBL1PI750M**
Single outlet plug-in SPD w/CATV protection	1	750	13.5kA	N/A	Off. White	N/A	**HBL1PI750C**
Three outlet plug-in SPD	3	750	13.5kA	N/A	Off. White	N/A	**HBL3PI750**

HBL1PI750

HBL1PI750M

HBL1PI750C

HBL3PI750

SpikeShield® Surge Protection Plug Strips

UL 1449 3rd Edition

Metallic Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Metal Power Strip (No surge protection)	6	N/A	N/A	6'	Off. White	N/A	**HBL6MPS**
Metal SPD	6	1050	19.5kA	6'	Off. White	$2,500	**HBL6MPS1050**
SPD w/Wire Management	6	350	6.5kA	6'	Yellow	$2,500	**HBL6PS350YL**
SPD w/Wire Management	8	350	6.5kA	6'	Yellow	$2,500	**HBL8PS350YL**
Heavy Duty SPD w/HBL5252BK Receptacles	6	900	30kA	6'	Black	N/A	**HBL6PS**
Heavy Duty SPD w/HBL8200HW Receptacles	6	900	30kA	6'	Black	N/A	**HBL6PSHG**

HBL6MPS

HBL6PS

Tamper-Resistant Non-Metallic Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Power Strip (No surge protection)	6	N/A	N/A	6'	Off. White	N/A	**HBL6PPS**
SPD	6	350	6.5kA	6'	Off. White	$2,500	**HBL6PS350A**
SPD	6	350	6.5kA	15'	Off. White	$2,500	**HBL6PS35015A**
SPD	6	350	6.5kA	25'	Off. White	$2,500	**HBL6PS35025A**
SPD w/Fax/Modem	6	1050	19.5kA	6'	Off. White	$2,500	**HBL6PS1050MA**
SPD	7	1050	19.5kA	6'	Off. White	$10,000	**HBL7PS1050A**
SPD w/Fax/Modem	7	1050	19.5kA	6'	Off. White	$10,000	**HBL7PS1050MA**
SPD	7	1050	19.5kA	15'	Off. White	$10,000	**HBL7PS105015A**
SPD w/Fax/Modem/CATV	8	2100	39kA	6'	Off. White	$25,000	**HBL8PS2100MA**
SPD w/Fax/Modem/CATV/DSS	8	2100	39kA	6'	Off. White	$25,000	**HBL8PS2100DA**

HBL6PS350YL

HBL6PS350A

Specialty Non-Metallic Surge Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
SPD w/Two USB Ports	4	1050	19.5kA	6'	Black	$10,000	**HBL4PS1050USB***
Remote Switch SPD w/One Keychain Ring Control	6	2100	39kA	6'	Off. White	$25,000	**HBL6RSPS2100**
Energy Saving SPD w/Master/ Controlled Design w/Fax/Modem	8	1050	19.5kA	6'	Off. White	$10,000	**HBL8ESPS1050M**
Energy Saving SPD Master/ Controlled Design w/CATV Protection	8	1050	19.5kA	6'	Off. White	$10,000	**HBL8ESPS1050C**

HBL8PS2100MA

Note: See page Tech-10 for Tamper-Resistant description.
**With 90 Angle Plug.*

HBL8PS350YL

HBL6RSPS2100

HBL8ESPS1050M

Meets UL Standards 1449 3rd Edition and 498; CSA Certified

Damage-alert alarm sounds when surge protection is no longer functioning and keeps sounding until the receptacle is replaced or muting screw is utilized

Muting screw allows damage-alert alarm to be silenced until device is replaced

Power-on indicator light verifies instantly that power is available at the receptacle and the suppression circuit is fully functional; light off means power has been interrupted; flashing light indicates surge protection circuitry has been damaged

Distinctive surge symbol provides quick visual identification of surge suppression receptacle. High-impact nylon face resists breakage

Fits standard wall box

Automatic self-grounding staple attached to bridge meets NEC® requirements

IG8362SA

Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.

Surge Protection Receptacles

Hubbell has the broadest offering of SPD receptacles in the industry with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from moisture and contaminants. An all-glass PC board provides superior moisture immunity for longer life in humid environments. Conformal coating is provided on the printed circuit board for additional moisture immunity.

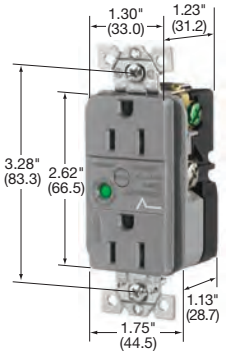
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Surge Protection Receptacles

15 and 20 Ampere, 125 Volts AC 60 Hz

Circuit Guard®, Specification Grade Duplex Receptacles

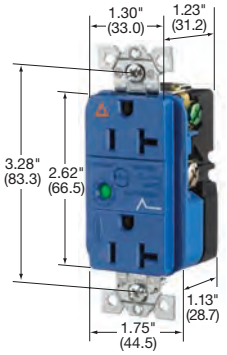
Description	Color	15A 125V NEMA 5-15R UL CSA	20A 125V NEMA 5-20R UL CSA
Surge suppression receptacles with light, 240 joules/15000A per mode.	Blue	**HBL5260SA**	**HBL5360SA**
	Ivory	**HBL5260ISA**	**HBL5360ISA**
	Office White	**HBL5260OWSA**	**HBL5360OWSA**
	White	**HBL5260WSA**	**HBL5360WSA**
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	**HBL5262ALSA**	**HBL5362ALSA**
	Blue	**HBL5262SA**	**HBL5362SA**
	Gray	**HBL5262GYSA**	**HBL5362GYSA**
	Ivory	**HBL5262ISA**	**HBL5362ISA**
	Office White	**HBL5262OWSA**	**HBL5362OWSA**
	White	**HBL5262WSA**	**HBL5362WSA**
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	**IG5262SA**	**IG5362SA**
	Gray	**IG5262GYSA**	**IG5362GYSA**
	Ivory	**IG5262ISA**	**IG5362ISA**
	Office White	**IG5262OWSA**	**IG5362OWSA**
	Orange	**IG5262OSA**	**IG5362OSA**
	White	**IG5262WSA**	**IG5362WSA**
4-PLEX® surge suppression receptacles with lights. 80 joules/6500A per mode.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**



HBL5262GYSA

Circuit Guard®, Hospital Grade Duplex Receptacles

Description	Color	Catalog Number	
Surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Almond	**HBL8262ALSA**	**HBL8362ALSA**
	Blue	**HBL8262SA**	**HBL8362SA**
	Gray	**HBL8262GYSA**	**HBL8362GYSA**
	Ivory	**HBL8262ISA**	**HBL8362ISA**
	Red	**HBL8262RSA**	**HBL8362RSA**
	White	**HBL8262WSA**	**HBL8362WSA**
Isolated ground, surge suppression receptacles with light and alarm, 240 joules/15000A per mode.	Blue	**IG8262SA**	**IG8362SA**
	Gray	**IG8262GYSA**	**IG8362GYSA**
	Ivory	**IG8262ISA**	**IG8362ISA**
	Orange	**IG8262OSA**	**IG8362OSA**
	Red	**IG8262RSA**	**IG8362RSA**
	White	**IG8262WSA**	**IG8362WSA**
4-PLEX surge suppression receptacles with lights, 80 joules/6500A per mode.	Blue	—	**HBL420HS**
	Ivory	—	**HBL420HIS**
	Red	—	**HBL420HRS**

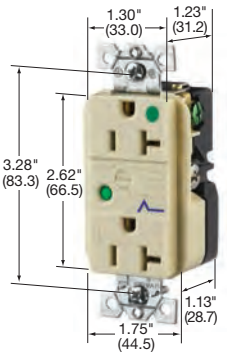


IG5362SA

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang (4-PLEX mount directly to 4" (101.6) square device boxes).	Blue	**HBL4APBL**
	Ivory	**HBL4API**
	Red	**HBL4APR**
4-PLEX portable box. Portable 4" (101.6) square box with one cord grip. Accepts up to .66" (16.8) dia. cord.	Ivory	**HBL4PBI**

Note: 4-PLEX box is not UL Listed.

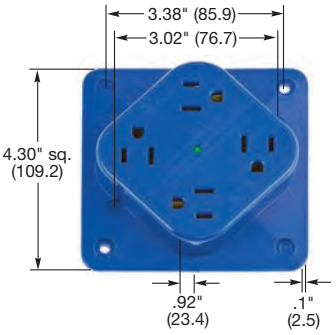


HBL8362ISA

Wallplates (Sold Separately)

Configuration	High-Impact Nylon Color	High-Impact Nylon Standard	High-Impact Nylon Mid-Size	Plated Steel		Stainless Steel (S/S) Brass	
1-Gang	Almond	**NP26AL**	**NPJ26AL**	Chrome	**SCH26**	Smooth S/S	**SS26**
	Blue	–	**NPJ26CBL***	Brass	**SBP26**	Smooth S/S	**SSJ26**➹
	Blue	–	**NPJ26BL**	Plated		Smooth	**SB26**
	Gray	**NP26GY**	**NPJ26GY**			Brass	
	Ivory	–	**NPJ26C***				
	Ivory	**NP26I**	**NPJ26I**				
	Off. White	**NP26OW**	**NPJ26OW**				
	Orange	**NP26OIG****	–				
	Red	**NP26R**	**NPJ26R**				
	White	**NP26W**	**NPJ26W**				

*Note: *Premarked "COMPUTER ONLY." Lettering is block ¼" high.*
***Premarked "ISOLATED GROUND." Lettering is block ¼" high.*
➹ Jumbo size plate.
See section N for additional wallplates.
See page M-19 for technical information.



HBL415S

Dimensions in Inches (mm)

Surge Suppression Receptacles

SpikeShield® SNAP*Connect*® tamper-resistant surge receptacles provide excellent point of use protection for sensitive electronic loads from every day power spikes and surges.

Isolated Ground Receptacles

SNAP*Connect*® Isolated Ground devices provide a clean ground path for sensitive equipment. Devices come with power indication, tamper-resistant or a combination of both.

Immediate Benefits!

Project Timing
- Save Time and Money
- Consistent Installation
- Meet Job Deadlines

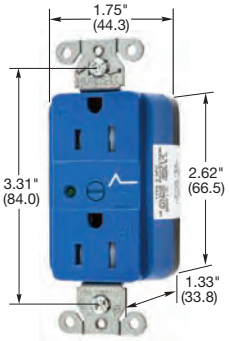
Installation Efficiency
- No Stripping
- No Looping/No Tape
- No Exposed Terminals

In-Use
- Flush Appearance
- Simple Replacement
- Shallow Box Depth

SNAP*Connect*® Surge Protection and Isolated Ground Receptacles Heavy Duty Specification Grade

SNAP*Connect*® Tamper-Resistant Surge Protection Receptacle with Power Indicating LED

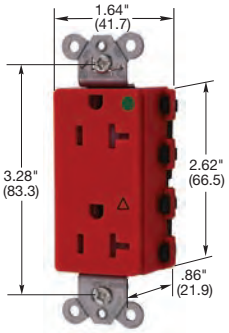
Description	Color	15A 125V NEMA 5-15R UL CSA	20A 125V NEMA 5-20R UL CSA
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, surge supression receptacle, smooth face, duplex.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**
Commercial Grade SNAP*Connect*® Tamper-Resistant, surge supression receptacle, smooth face, duplex.	Blue	**SNAP5262S**	**SNAP5362S**
	Gray	**SNAP5262GYS**	**SNAP5362GYS**
	Ivory	**SNAP5262IS**	**SNAP5362IS**
	Light Almond	**SNAP5262LAS**	**SNAP5362LAS**
	White	**SNAP5262WS**	**SNAP5362WS**



SNAP5262S

SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle

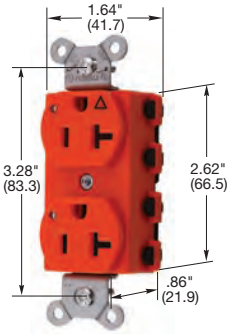
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGTR**	**SNAP8300IGTR**
	Red	**SNAP8200RIGTR**	**SNAP8300RIGTR**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGTR**	**SNAP2182IGTR**
	Red	**SNAP2172RIGTR**	**SNAP2182RIGTR**
Commercial Grade, isolated ground	Orange	**SNAP5262IGTR**	**SNAP5362IGTR**
Style Line® Decorator	Orange	**SNAP2152IGTR**	**SNAP2162IGTR**



SNAP2182RIGTR

SNAP*Connect*® Isolated Ground Receptacle with Power Indicating LED

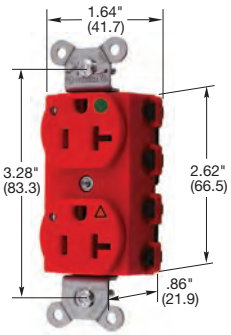
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Commercial Grade, isolated ground	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Style Line® Decorator	Orange	**SNAP2152IGL**	**SNAP2162IGL**



SNAP5362IGL

SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle with Power Indicating LED

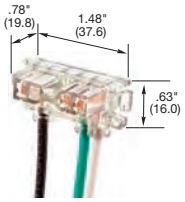
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGLTR**	**SNAP8300IGLTR**
	Red	**SNAP8200RIGLTR**	**SNAP8300RIGLTR**
Commercial Grade Style Line® decorator	Orange	**SNAP2172IGLTR**	**SNAP2182IGLTR**
	Red	**SNAP2172RIGLTR**	**SNAP2182RIGLTR**
Commercial Grade, isolated ground	Orange	**SNAP5262IGLTR**	**SNAP5362IGLTR**
Style Line® decorator	Orange	**SNAP2152IGLTR**	**SNAP2162IGLTR**



SNAP8300RIGLTR

SNAP*Connect*® Right Angle Pigtailed Connector for General Use

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2, 600V, Polycarbonate housing material	**SNAP1RA**	**SNAP2RA**



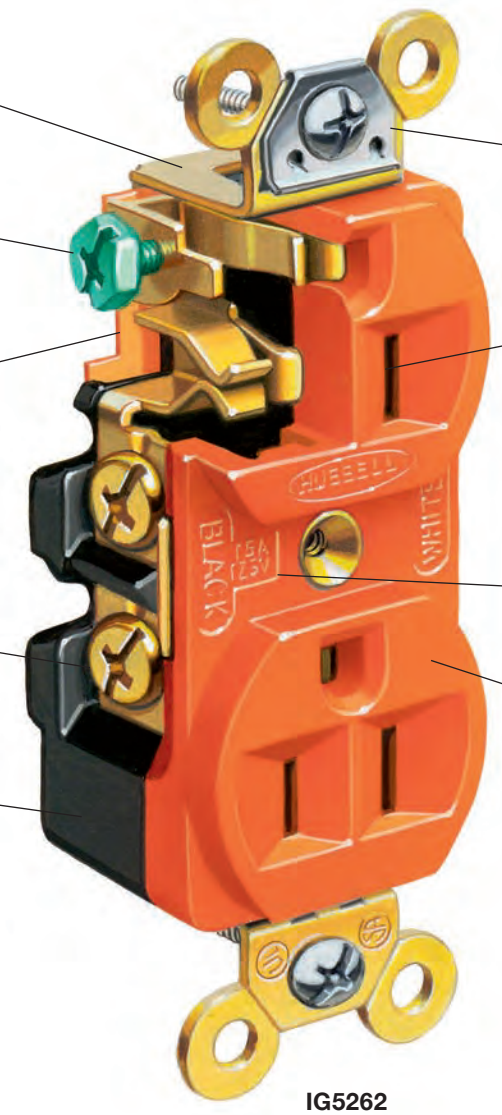
SNAP1RA

Note: See page Tech-10 for Power Indicating and Tamper-Resistant descriptions.
See page M-19 for SNAPConnect® technical information.

Dimensions in Inches (mm)

Straight Blade Isolated Ground Receptacles

Features and Benefits



Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly

Green grounding screw connected directly to the grounding contacts

Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap

Back and side wiring capability provides easy installation with stranded or solid wire

Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance

Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box

Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors

Amperage and voltage clearly indicated

Impact-resistant nylon face

IG5262

Isolated Ground Receptacles, A "Clean" Path Provides A "Clean" Ground For Sensitive Equipment

In February 1968, Hubbell patented the first isolated ground receptacle. Today – when a clean, noise-free ground is more important than ever – Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there's more to the Hubbell line:

- Available in 19 NEMA configurations and a total of 60 different type receptacles.
- Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels...almost anywhere.
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, plus the toughest standard of all...the Hubbell standard of excellence.

IG triangle on the face of the receptacle clearly indicates isolated ground device.

Straight Blade Isolated Ground Receptacles

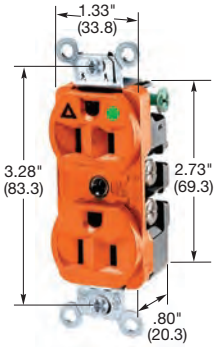
Ordering Information

Hospital Grade ●, HBL® Extra Heavy Duty, Isolated Ground Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws.	Orange Red	**IG8200** **IG8200R**	**IG8300** **IG8300R**
Style Line® decorator.	Orange Ivory White	— — —	**IG2182** **IG2182I** **IG2182WA**
Flush, thermoplastic polyester face, single.	Orange	**IG8210**	**IG8310**



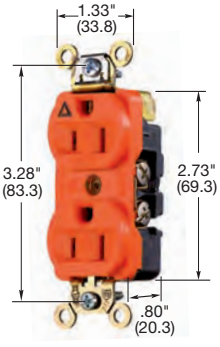
IG8200

15A and 20A, 125V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

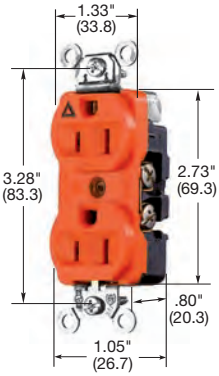
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

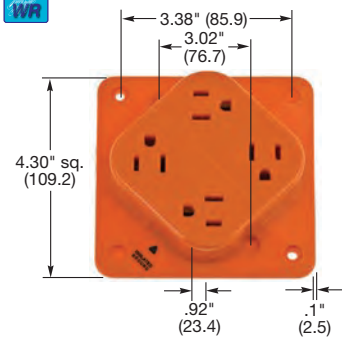
Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange Gray Ivory Red White	**IG5262** **IG5262GY** **IG5262I** **IG5262R** —	**IG5362** **IG5362GY** **IG5362I** **IG5362R** **IG5362W**
Weather Resistant, duplex, isolated ground.	Orange Gray Ivory Red White	**IG5262WR** **IG5262GYWR** **IG5262IWR** **IG5262RWR** —	**IG5362WR** **IG5362GYWR** **IG5362IWR** **IG5362RWR** **IG5362WWR**
Finder groove, nylon face, duplex, back and side wired.	Orange Black Blue Gray Ivory Office White White	**CR5252IG** **CR5252IGBK** — **CR5252IGGY** **CR5252IGI** **CR5252IGOW** **CR5252IGW**	**CR5352IG** **CR5352IGBK** **CR5352IGBL** **CR5352IGGY** **CR5352IGI** **CR5352IGOW** **CR5352IGW**
Style Line® decorator, flush, nylon face, back and side wired.	Orange Gray	**IG2152** —	**IG2162** **IG2162GY**
4-PLEX® receptacle.	Orange	**IG415**	**IG420***
Flush, nylon face, single, back and side wired.	Orange	**IG5261**	**IG5361**
Weather Resistant, single, Isolated ground.	Orange	**IG5261WR**	**IG5361WR**



IG5262



CR5252IG

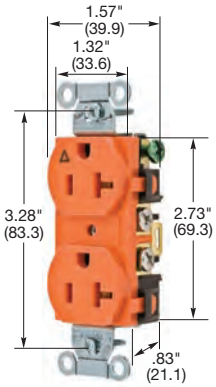


IG415

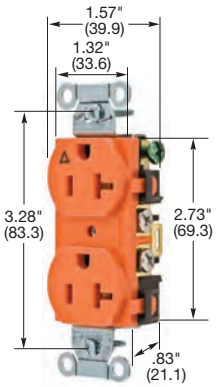
Dimensions in Inches (mm)

*Note: *Not Fed. Spec. Listed.*

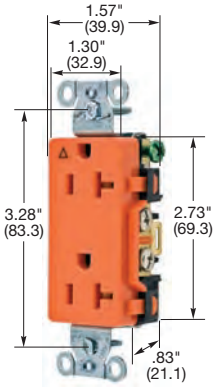
See page Tech-10 for Weather Resistant description.
See page M-20 for isolated ground technical information.
See page A-46 and A-47 for accessories.
See page A-23 for 4-PLEX accessories.



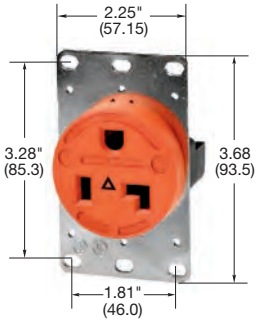
IG5352



IG20CR



IG20DR



IG9308

Hubbell-PRO Heavy Duty Specification Grade

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Smooth face, duplex, back and side wired.	Orange	**IG5252**	**IG5352**
	Almond	**IG5252AL**	**IG5352AL**
	Gray	**IG5252GY**	**IG5352GY**
	Ivory	**IG5252I**	**IG5352I**
	Light Almond	**IG5252LA**	**IG5352LA**
	White	**IG5252W**	**IG5352W**
Tamper-Resistant, smooth face, duplex, back and side wired.	Orange	**IG5252TR**	**IG5352TR**
	Ivory	**IG5252ITR**	**IG5352ITR**
	White	**IG5252WTR**	**IG5352WTR**

Note: See page Tech-10 for Tamper-Resistant description.

Commercial Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, side wired.	Orange	**IG15CR**	**IG20CR**
	Almond	**IG15CRAL**	**IG20CRAL**
	Gray	**IG15CRGRY**	**IG20CRGRY**
	Ivory	**IG15CRI**	**IG20CRI**
	Light Almond	**IG15CRLA**	**IG20CRLA**
	White	**IG15CRWHI**	**IG20CRWHI**
Style Line® decorator; smooth face; back and side wired.	Orange	**IG15DR**	**IG20DR**
	Almond	**IG15DRAL**	**IG20DRAL**
	Gray	**IG15DRGRY**	**IG20DRGRY**
	Ivory	**IG15DRI**	**IG20DRI**
	Light Almond	**IG15DRLA**	**IG20DRLA**
	White	**IG15DRWHI**	**IG20DRWHI**

15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	**IG5662**	**IG5462**
Flush, nylon face, single.	Orange	**IG5661**	**IG5461**

30A, 125V and 250V Isolated Ground Receptacles

IP20
SUITABILITY

30A 125V
NEMA 5-30R
UL CSA
2 HP

30A 250V
NEMA 6-30R
UL CSA
2 HP

Description	Color	Catalog Number	
Single receptacle, 2 pole, 3 wire grounding.	Orange	**IG9308**	**IG9330**

Note: See page M-20 for isolated ground technical information.

Isolated Ground Twist-Lock® Receptacles

Features and Benefits

Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap

Wire restraint recess for both back and side wiring reduces terminal loosening

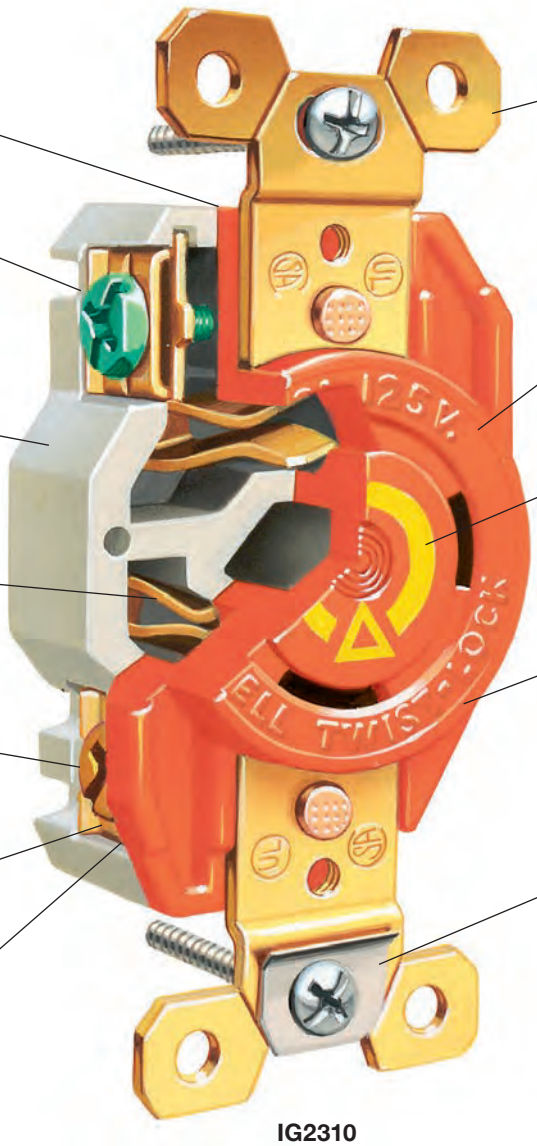
Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength

One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating

#10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping

Accommodates both back and side wiring

External back wiring allows visual inspection of terminations



All-brass mounting and grounding system provides a low resistance ground path

High-impact, abuse-resistant nylon face

Color-coding by voltage rating helps ensure mating of proper devices

Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation

Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box

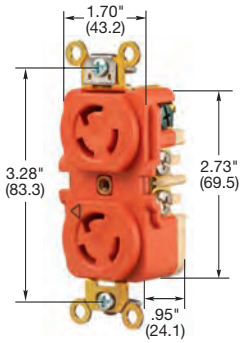
IG2310

Face color-coding by voltage facilitates locating and mating of proper devices.

125V AC **250V AC** **480V AC** **125/250V AC**

Isolated Ground Twist-Lock® Receptacles

Ordering Information



IG4700A

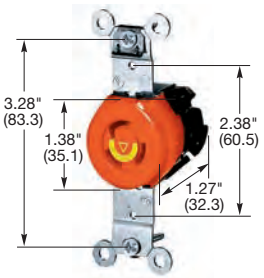
15A, 125V and 250V Back and Side Wired

15A 125V
NEMA L5-15R
UL/CSA

15A 250V
NEMA L6-15R
UL/CSA

Description	Poles/Wires	Color	Catalog Number	
Flush, RTP face, duplex.	2 pole, 3 wire	Orange	**IG4700A***	**IG4550A***
Flush, RTP face, single.	2 pole, 3 wire	Orange	**IG4710**	**IG4560**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
**Supplied with break-off tabs for split circuit wiring.*



IG4710

20A, 125V, 250V and 480V AC Back and Side Wired

20A 125V
NEMA L5-20R
UL/CSA
1 HP

20A 250V
NEMA L6-20R
UL/CSA
2 HP

20A 480V AC
NEMA L8-20R
UL/CSA
3 HP

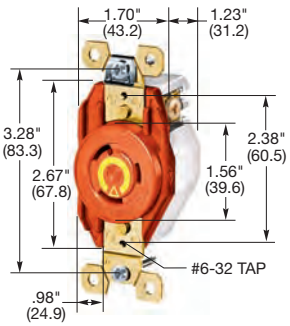
Description	Poles/Wires	Color	Catalog Number		
Flush, nylon face, single.	2 pole, 3 wire	Orange	**IG2310**	**IG2320**	**IG2340**

30A, 125V and 250V Back and Side Wired

30A 125V
NEMA L5-30R
UL/CSA
2 HP

30A 250V
NEMA L6-30R
UL/CSA
2 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	**IG2610**	**IG2620**



IG2310

20A, 125V/250V and 3Ø 250V AC Back and Side Wired

20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP

20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	**IG2410**	**IG2420**

30A, 125V/250V and 3Ø 250V AC Back and Side Wired

30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP

30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	**IG2710**	**IG2720**

20A and 30A, 3ØY 120/208V AC Back and Side Wired

20A 3ØY
120/208V AC
NEMA L21-20R
UL/CSA
2 HP

30A 3ØY
120/208V AC
NEMA L21-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	4 pole, 5 wire	Orange	**IG2510**	**IG2810**

Note: See page M-20 for isolated ground technical information.

SpikeShield® Surge Protection Plug Strips

	PS350 Series	MPS1050 Series	PS350YL Series	PS1050 Series	PS2100 Series	6PS Series	HBLCATC
Operating Specifications							
Max. Cont. Operating Voltage	130	130	130	130	130	130	24Vpk
Operating Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max Surge Current	6.5kA	19.5kA	6.5kA	19.5kA	39.0kA	30.0kA	200
Operating Temperature	---------- -40°F to 160°F (-40°C to 70°C) ----------						
Performance							
UL Voltage Protection Rating	400V	400V	400V	400V	400V	500V	45V
EMI/RFI Noise Rejection	n/a	n/a	n/a	-20dB	-20dB	-20dB	n/a
Warranty							
Downline Warranty	$2,500	$2,500	$2,500	$2,500 (6PS1050) $10,000 (all others)	$25,000	None	None
Physical Specifications							
Housing Type	ABS	Metal	Metal	ABS	ABS	Metal	ABS
Color	Off. White	Off. White	Yellow	Off. White "USB" version is Black	Off. White	Black	Off. White

Dimensions

	Length	Width	Height
HBL6PS350/1050 Series & HBL6PPS	11.2" (284.5)	2.36" (59.9)	1.85" (47.0)
HBL7PS1050 Series	14.75" (374.7)	2.36" (59.9)	1.85" (47.0)
HBL6MPS Series	12.25" (311.2)	2.5" (63.5)	1.5" (38.1)
HBL6PS350YL	14.75" (374.7)	2.5" (63.5)	1.85" (47.0)
HBL8PS350YL	10.0" (254.0)	6.0" (152.4)	1.85" (47.0)
HBL8ESPS Series	10.4" (264.2)	3.8" (96.5)	1.44" (36.6)
HBL6RSPS Series	9.12" (231.6)	4.4" (111.8)	1.68" (42.7)
HBL4PS1050USB	10.38" (263.7)	3.81" (96.8)	1.44" (36.6)

Surge Protection Receptacles

Description	Part	Duplex / SNAP*Connect*®	4-PLEX®
Type – 2 Pole, 3 Wire, Grounding	Receptacle	15A/20A	15A/20A
	Top	Nylon	Lexan®
	Base	Nylon	Lexan®
	Power Contact	.031" (.8) Brass	.032" (.8) Brass
	Contact Design	Tandem Modified Bypass	Triple Wipe
Rating – 15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Coated	–
Certification – UL Listed File E2186	Clamping Plate	.031" (.8) Brass	.031" (.8) Brass-Line Terminal Plate
Listed to UL Standards 498 Receptacles			.031" (.8) Brass-Neutral-Terminal Plate
Meets UL1449-2.5	Terminal Screws	Brass #8-32 (Duplex only)	Brass #8-32
	Grounding Screw	Steel (Green) (Duplex only)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Automatic Self-Grounding Clip	Stainless Steel	.050" (1.3) Ground Plate
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated	Brass
Installation Categories “A" (Ring Wave)	LED	Green	Green
“B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon	–

Performance

Electrical	Duplex / SNAP*Connect*®		4-PLEX®	
Frequency	60Hz		60Hz	
Voltage	120V AC + 10%–15%		20V AC + 10%–15%	
Response Time	Approximately 5 ns		Approximately 5 ns	
Protection Modes	Normal and Common Modes		Normal and Common Modes	
Transient Suppression	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)
Normal Mode (L-N)	240 joules	15000A	80 joules	6500A
Common Mode (L-G), (N-G)	240 joules	15000A	80 joules	6500A
UL Voltage Protection Rating	600 L-N, 600 L-G	1000 N-G	600 L-N, 600 L-G	900 N-G
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB			
Operating Temperature	32°F to 140°F (0°C to 60°C)		-40°F to 140°F (-40°C to 60°C)	
Flammability	UL 94V-2		UL 94V-2	

IG5262

IG5352

Specifications

Receptacle	Part	Description
Typical Specification – Catalog Number IG5262	Receptacle	15A
Manufacturer's Identification – Hubbell IG5262	Top	Nylon
Description – Isolated Ground, Straight Blade, Duplex Receptacle	Base	PET*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	0.31" (8) Phosphor Bronze
Rating – 15A, 125V	Wire Clamp	0.062" (1.6) Steel Nickel Plated
Certification – UL Listed, CSA Certified, Fed. Spec.	Mounting Strap	0.050" (1.3) Brass
	Insulator	Nylon
	Terminal Screws	Brass #8-32
	Grounding Screw	Brass (Green)
	Center Assembly-Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat. Hd. Mtg. Screws	Steel Zinc Plated

*Note: *Polyethylene Terephthalate Polyester.*

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA C22.2 No. 42 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG standard or solid copper conductor only.
Product Identification	Ratings are permanent part of device.

Environmental – Material	
Flammability	Top: UL 94V-2, Base: UL 94V-0 and UL 94-5 VA.
Operating Temperatures	Maximum continuous 75°C; minimum -40°C/F (w/o impact) maximum (167°F, 75°C).

Specifications

Receptacle	Part	Description
Catalog Number – IG5352, IG15CR, IG15DR	Receptacle	15A
Description – Isolated Ground, Straight Blade Duplex, Receptacle	Top	Nylon
Type – 2 Pole, 3 Wire, Grounding	Base	Nylon
Rating – 15A, 125V	Power Contacts	.030" (.8) Brass
Certification – UL Listed, CSA Certified	Terminal Clamp	.062" (1.6) Nickel Plated Steel
	Grounding Screw	#8-32 Plated Steel, TriDrive
	Mounting Strap	.040" (1) Galvanized Steel
	Auto Ground	Stainless Steel
	Mounting Screws	Zinc Plated Steel, Self-Tapping

Performance

Electrical	
Dielectric Voltage	Withstands 2000V Minimum.
Maximum Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA C22.2 No. 42 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductors only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperatures	Max. continuous: 75°C; Min. continuous: -40°C w/o impact.

Wallplates and Covers

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Features and Benefits

Nylon Wallplates

Metal Wallplates

Weatherproof Covers

Nylon Wallplates

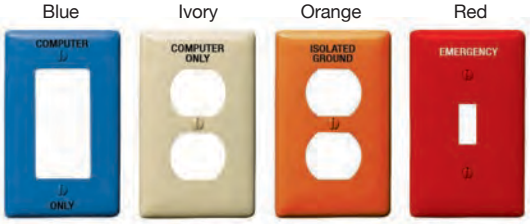
Our line of nylon wallplates features larger standard sized wallplates to provide extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with excellent cleanability in all different types of environments.

- Standard size is ⅛ inch larger to give you extra coverage to hide rough box openings. Also available in mid-size and pre-marked.
- Curved corners for improved aesthetics, for use in any application.
- Reinforcement ribs for extra strength.
- Captive screw feature holds mounting screw in place for quick and easy installation.
- High-impact, self-extinguishing nylon material, which is virtually unbreakable.
- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments.

Hubbell's standard sized wallplates are ⅛ inch larger to provide you that extra coverage to hide rough box openings. The depth is ¼ inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work.

Nylon Wallplates

Nylon Pre-Marked Wallplates

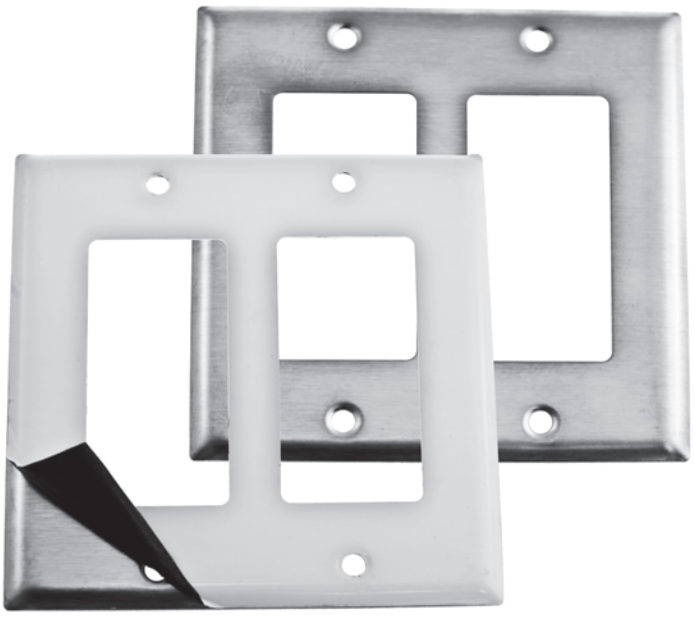


Metal Wallplates

Pre-Marked

Metal Wallplates and Extra-Duty Metallic While-In-Use Covers

Features and Benefits



Protective plastic film helps to prevent scratches and damage.

Stainless Steel

Provide solutions for a variety of industrial and commercial applications.

- Environments subjected to heavy abuse.
- The 302/304 type stainless steel wallplates are ideal for highly corrosive environments such as food processing, hospitals, static free requirements and more.
  Non-magnetic: 18.0% Chromium
  8.0% Nickel
- Standard commercial use.
- The 430 type stainless steel wallplates are aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical.
  Magnetic: 17.0% Chromium
  Less than 0.5% Nickel

Smooth Solid Brass

- Provides a plush appearance with the durability of metal.
- Finish is lacquer coated to inhibit oxidation.

Anodized Aluminum

- Non-magnetic and corrosion resistance for a wide range of applications.
- Finish is lacquer coated to inhibit oxidation.

Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Die-cast aluminum construction
- Powder coated “chip resistant” paint corrosion protection
- Unique plug management provision for securing device and cord

2014 National Electrical Code (NEC®) Requirement

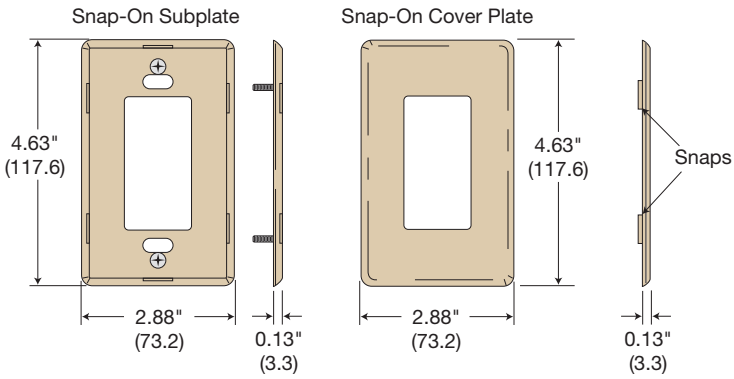
406.9 Receptacles in Damp or Wet Locations.

406.9 Receptacles in Damp or Wet Locations.
(B) Wet Locations.
(1) 15 and 20 Ampere Receptacles in a Wet Location. 15 and 20 ampere, 125 and 250 volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be listed, and shall be identified as “extra-duty.” All 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles shall be listed weather-resistant type.
Exception: 15 and 20 ampere, 125 through 250 volt receptacles installed in a wet location and subject to routine high-pressure spray washing shall be permitted to have an enclosure that is weatherproof when the attachment plug is removed.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with (B)(2)(a) or (B)(2)(b).
(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

More Style In a Snap

Snap-on wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting plate onto the device and press the snap-on cover into place.



Snap-On Wallplates

Description		Color	Decorator Catalog Number	Toggle Catalog Number
1-Gang, 1-Decorator	1-Gang, 1-Toggle Style	Ivory Light Almond White	**RCW1I** **RCW1LA** **RCW1W**	**RFW1I** – **RFW1W**
2-Gang, 2-Decorator	2-Gang, 2-Toggle Style	Ivory Light Almond White	**RCW2I** **RCW2LA** **RCW2W**	**RFW2I** – **RFW2W**
3-Gang, 3-Decorator	3-Gang, 3-Toggle Style	Ivory Light Almond White	**RCW3I** **RCW3LA** **RCW3W**	**RFW3I** – **RFW3W**
4-Gang, 4-Decorator		Ivory Light Almond White	**RCW4I** **RCW4LA** **RCW4W**	– – –
5-Gang, 5-Decorator		Ivory Light Almond White	**RCW5I** **RCW5LA** **RCW5W**	– – –
6-Gang, 6-Decorator		Ivory Light Almond White	**RCW6I** **RCW6LA** **RCW6W**	– – –

Dimensions in Inches (mm)

Toggle Switch Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Toggle	Almond	**NP1AL**	**NPJ1AL**	Aluminum	**SA1**
	Black	**NP1BK**	**NPJ1BK**	Brass	**SB1**
	Brown	**NP1**	**NPJ1**	Brass Plated	**SBP1**
	Gray	**NP1GY**	**NPJ1GY**	Chrome	**SCH1**
	Ivory	**NP1I**	**NPJ1I**	S/S 302/304	**SS1**
	Light Almond	**NP1LA**	**NPJ1LA**	S/S 430	**SS1L**
	Office White	**NP1OW**	**NPJ1OW**	Steel, Almond	**SP1AL***
	Red	**NP1R**	**NPJ1R**	Steel, Gray	**SP1G***
	White	**NP1W**	**NPJ1W**		
2-Gang, 2-Toggle	Almond	**NP2AL**	**NPJ2AL**	Aluminum	**SA2**
	Black	**NP2BK**	**NPJ2BK**	Brass	**SB2**
	Brown	**NP2**	**NPJ2**	Brass Plated	**SBP2**
	Gray	**NP2GY**	**NPJ2GY**	Chrome	**SCH2**
	Ivory	**NP2I**	**NPJ2I**	S/S 302/304	**SS2**
	Light Almond	**NP2LA**	**NPJ2LA**	S/S 430	**SS2L**
	Office White	**NP2OW**	**NPJ2OW**	Steel, Almond	**SP2AL***
	Red	**NP2R**	**NPJ2R**	Steel, Gray	**SP2G***
	White	**NP2W**	**NPJ2W**		
3-Gang, 3-Toggle	Almond	**NP3AL**	**NPJ3AL**	Aluminum	①
	Black	**NP3BK**	**NPJ3BK**	Brass	**SB3**
	Brown	**NP3**	**NPJ3**	Brass Plated	**SBP3**
	Gray	**NP3GY**	**NPJ3GY**	Chrome	**SCH3**
	Ivory	**NP3I**	**NPJ3I**	S/S 302/304	**SS3**
	Light Almond	**NP3LA**	**NPJ3LA**	S/S 430	**SS3L**
	Office White	**NP3OW**	**NPJ3OW**	Steel, Almond	**SP3AL***
	Red	–	**NPJ3R**		
	White	**NP3W**	**NPJ3W**		
4-Gang, 4-Toggle	Black	**NP4BK**	**NPJ4BK**	Aluminum	①
	Brown	**NP4**	**NPJ4**	Brass	**SB4**
	Gray	**NP4GY**	**NPJ4GY**	Brass Plated	**SBP4**
	Ivory	**NP4I**	**NPJ4I**	Chrome	①
	Light Almond	**NP4LA**	**NPJ4LA**	S/S 302/304	**SS4**
	Office White	**NP4OW**	**NPJ4OW**	S/S 430	**SS4L**
	White	**NP4W**	**NPJ4W**	Steel, Almond	**SP4AL***
5-Gang, 5-Toggle	Black	**NP5BK**	–	Aluminum	①
	Brown	**NP5**	–	Brass	**SB5**
	Gray	**NP5GY**	–	Brass Plated	①
	Ivory	**NP5I**	–	Chrome	①
	Light Almond	**NP5LA**	–	S/S 302/304	**SS5**
	White	**NP5W**	–	S/S 430	–
			–	Steel, Almond	**SP5AL***
6-Gang, 6-Toggle	Brown	**NP6**	–	Aluminum	①
	Gray	**NP6GY**	–	Brass	**SB6**
	Ivory	**NP6I**	–	Brass Plated	①
	Light Almond	**NP6LA**	–	Chrome	①
	White	**NP6W**	–	S/S 302/304	**SS6**
			–	S/S 430	–
				Steel, Almond	**SP6AL***
7-Gang, 7-Toggle	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Gray	–	–	Brass Plated	①
	Ivory	–	–	Chrome	①
	White	–	–	S/S 302/304	**SS607**
				S/S 430	–
8-Gang, 8-Toggle	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Gray	–	–	Brass Plated	①
	Ivory	–	–	Chrome	①
	White	–	–	S/S 302/304	**SS608**
				S/S 430	–
2-Gang, 1-Toggle	Almond	–	–	Aluminum	–
	Brown	–	–	Brass	–
	Gray	–	–	Brass Plated	–
	Ivory	–	–	Chrome	–
	White	–	–	S/S 302/304	**SS740**
				S/S 430	–

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
**Powder coat paint finish.*

Duplex Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex	Almond	**NP8AL**	**NPJ8AL**	Aluminum	**SA8**
	Black	**NP8BK**	**NPJ8BK**	Brass	**SB8**
	Blue	**–**	**NPJ8BL**	Brass Plated	**SBP8**
	Brown	**NP8**	**NPJ8**	Chrome	**SCH8**
	Gray	**NP8GY**	**NPJ8GY**	S/S 302/304	**SS8**
	Ivory	**NP8I**	**NPJ8I**	S/S 430	**SS8L**
	Light Almond	**NP8LA**	**NPJ8LA**	Steel, Almond	**SP8AL***
	Office White	**NP8OW**	**NPJ8OW**	Steel, Gray	**SP8G***
	Orange	**NP8OR**	**–**		
	Red	**NP8R**	**NPJ8R**		
	White	**NP8W**	**NPJ8W**		
2-Gang, 2-Duplex	Black	**NP82BK**	**NPJ82BK**	Aluminum	**SA82**
	Brown	**NP82**	**NPJ82**	Brass	**SB82**
	Gray	**NP82GY**	**NPJ82GY**	Brass Plated	**SBP82**
	Ivory	**NP82I**	**NPJ82I**	Chrome	**SCH82**
	Light Almond	**NP82LA**	**NPJ82LA**	S/S 302/304	**SS82**
	Office White	**NP82OW**	**NPJ82OW**	S/S 430	**SS82L**
	Orange	**NP82OR**	**–**	Steel, Almond	**SP82AL***
	Red	**NP82R**	**NPJ82R**	Steel, Gray	**SP82G***
	White	**NP82W**	**NPJ82W**		
3-Gang, 3-Duplex	Brown	**NP83**	**–**	Aluminum	①
	Ivory	**NP83I**	**–**	Brass	①
	White	**NP83W**	**–**	Brass Plated	①
				Chrome	①
				S/S 302/304	**SS83**
				S/S 430	**–**
				Steel, Almond	**SP83AL***
4-Gang, 4-Duplex	Brown	**NP84**	**–**	Aluminum	①
	Ivory	**NP84I**	**–**	Brass	①
	White	**NP84W**	**–**	Brass Plated	①
				Chrome	①
				S/S 302/304	**SS84**
				S/S 430	**–**
2-Gang, 1-Duplex	–	**–**	**–**	Brass	**–**
	–	**–**	**–**	Brass Plated	**–**
	–	**–**	**–**	Chrome	**–**
	–	**–**	**–**	S/S 302/304	**SS748**
				S/S 430	**–**

Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	Black	**NP7BK**	**NPJ7BK**	Aluminum	**SA7**
	Brown	**NP7**	**NPJ7**	Brass	**SB7**
	Gray	**NP7GY**	**NPJ7GY**	Brass Plated	**SBP7**
	Ivory	**NP7I**	**NPJ7I**	Chrome	**SCH7**
	Light Almond	**NP7LA**	**NPJ7LA**	S/S 302/304	**SS7**
	Office White	**NP7OW**	**NPJ7OW**	S/S 430	**SS7L**
	Red	**NP7R**	**NPJ7R**	Steel, Almond	**SP7AL***
	White	**NP7W**	**NPJ7W**	Steel, Gray	**SP7G***
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	–	**–**	**–**	Aluminum	**–**
	–	**–**	**–**	Brass	**–**
	–	**–**	**–**	Brass Plated	**–**
	–	**–**	**–**	Chrome	**–**
	–	**–**	**–**	S/S 302/304	**SS747**
				S/S 430	**–**
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole	–	**–**	**–**	Aluminum	①
	–	**–**	**–**	Brass	①
	–	**–**	**–**	Brass Plated	①
	–	**–**	**–**	Chrome	①
	–	**–**	**–**	S/S 302/304	**SS72**
				S/S 430	**–**

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
**Powder coat paint finish.*

Single Receptacle Wallplates

Single 20/30A Twist-Lock® Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Single 1.60 in. (40.6) Dia. Hole	Black	**NP720BK**	–	Aluminum	**SA720**
	Brown	**NP720**	–	Brass	**SB720**
	Gray	**NP720GY**	–	Brass Plated	①
	Ivory	**NP720I**	–	Chrome	①
	Office White	**NP720OW**	–	S/S 302/304	**SS720**
	Red	**NP720R**	–	S/S 430	–
	White	**NP720W**	–		
1-Gang, 1-Single 1.74 in. (44.2) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	S/S 302/304	**SS725**
2-Gang, 1-Single 1.60 in. (40.6) Dia.Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	S/S 302/304	**SS749**
3-Gang, 2-Single 1.60 in. (40.6) Dia. Hole	–	–	–	Aluminum	①
	–	–	–	Brass	①
	–	–	–	Brass Plated	①
	–	–	–	Chrome	①
	–	–	–	S/S 302/304	**SS320**
3-Gang, 2-Single 1.74 in. (44.2) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Brass Plated	–
	–	–	–	Chrome	–
	–	–	–	S/S 302/304	**SS330**

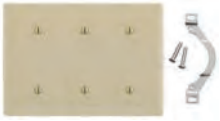
Single Receptacle Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Single 1.97 in. (50.0) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Chrome	–
	–	–	–	S/S 302/304	**SS737**
	–	–	–	S/S 430	–
1-Gang, 1-Single 2.16 in. (54.9) Dia. Hole	Black	**NP724BK**	**NPJ724BK**	Aluminum	**SA723**
	Brown	**NP724**	**NPJ724**	Brass	①
	Gray	**NP724GY**	**NPJ724GY**	Brass Plated	①
	Ivory	**NP724I**	**NPJ724I**	Chrome	**SCH723**
	White	**NP724W**	**NPJ724W**	S/S 302/304	**SS723**
				S/S 430	**SS723L**
2-Gang, 1-Single 2.16 in. (54.9) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Chrome	**SCH702**
	–	–	–	S/S 302/304	**SS702**
	–	–	–	S/S 430	–
2-Gang, 1-Single 2.16 in. (54.9) Dia. Hole	Black	**NP703BK**	**NPJ703BK**	Aluminum	–
	Brown	**NP703**	**NPJ703**	Brass	–
	Gray	**NP703GY**	**NPJ703GY**	Brass Plated	–
	Ivory	**NP703I**	**NPJ703I**	Chrome	–
	White	**NP703W**	**NPJ703W**	S/S 302/304	**SS703**
				S/S 430	**SS703L**
2-Gang, 1-Single 2.48 in. (63.0) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Chrome	–
	–	–	–	S/S 302/304	**SS701**
	–	–	–	S/S 430	–
2-Gang, 1-Single 2.66 in. (67.6) Dia. Hole	–	–	–	Aluminum	–
	–	–	–	Brass	–
	–	–	–	Chrome	–
	–	–	–	S/S 302/304	**SS716**
	–	–	–	S/S 430	–

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.

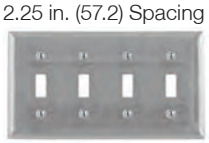
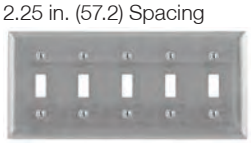
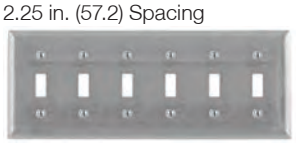
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.

Blank Wallplates, Box Mount and Strap Mount

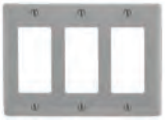
Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Blank, Box Mount	Almond	**NP13AL**	**NPJ13AL**	Aluminum	**SA13A**
	Black	**NP13BK**	**NPJ13BK**	Brass	**SB13**
	Brown	**NP13**	**NPJ13**	Brass Plated	**SBP13**
	Gray	**NP13GY**	**NPJ13GY**	Chrome	**SCH13**
	Ivory	**NP13I**	**NPJ13I**	S/S 302/304	**SS13**
	Light Almond	**NP13LA**	**NPJ13LA**	S/S 430	**SS13L**
	Office White	**NP13OW**	**NPJ13OW**	Steel, Almond	**SP14BAL***
	White	**NP13W**	**NPJ13W**	Steel, Gray	**SP14BG***
2-Gang, 2-Blank, Box Mount	Almond	**NP23AL**	**NPJ23AL**	Aluminum	**SA23**
	Black	**NP23BK**	–	Brass	**SB23**
	Brown	**NP23**	**NPJ23**	Brass Plated	①
	Gray	**NP23GY**	–	Chrome	**SCH23**
	Ivory	**NP23I**	**NPJ23I**	S/S 302/304	**SS23**
	Light Almond	**NP23LA**	**NPJ23LA**	S/S 430	**SS23L**
	White	**NP23W**	**NPJ23W**	Steel, Almond	**SP24BAL***
				Steel, Gray	**SP24BG***
3-Gang, 3-Blank, Box Mount	Brown	**NP33**	–	Aluminum	①
	Ivory	**NP33I**	–	Brass	①
	White	**NP33W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	**SS33**
				S/S 430	–
				Steel, Almond	**SP34BAL***
4-Gang, 4-Blank, Box Mount	Brown	**NP43**	–	Aluminum	①
	Ivory	**NP43I**	–	Brass	①
	White	**NP43W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	**SS43**
				S/S 430	–
1-Gang, 1-Blank, Strap Mount	Black	**NP14BK**	–	Aluminum	①
	Brown	**NP14**	–	Brass	**SB14**
	Gray	**NP14GY**	–	Brass Plated	①
	Ivory	**NP14I**	–	Chrome	①
	Office White	**NP14OW**	–	S/S 302/304	**SS14**
	Red	**NP14R**	–	S/S 430	**SS14L**
	White	**NP14W**	–	Steel, Almond	**SP14AL***
				Steel, Gray	**SP14G***
2-Gang, 2-Blank, Strap Mount	Black	**NP24BK**	–	Aluminum	①
	Brown	**NP24**	–	Brass	①
	Gray	**NP24GY**	–	Brass Plated	①
	Ivory	**NP24I**	–	Chrome	①
	Office White	**NP24OW**	–	S/S 302/304	**SS24**
	Red	**NP24R**	–	S/S 430	**SS24L**
	White	**NP24W**	–	Steel, Almond	**SP24AL***
				Steel, Gray	**SP24G***
 3-Gang, 3-Blank, Strap Mount	Brown	**NP34**	–	Aluminum	①
	Ivory	**NP34I**	–	Brass	①
	White	**NP34W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	**SS34**
				S/S 430	–
				Steel, Almond	**SP34AL***
4-Gang, 4-Blank, Strap Mount	Brown	**NP44**	–	Aluminum	①
	Ivory	**NP44I**	–	Brass	①
	White	**NP44W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	**SS44**
				S/S 430	–

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
**Powder coat paint finish.*

347 Volt Toggle Wallplates with 2.25" (57.2) Spacing Between Gangs, Stamped "347V"

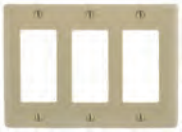
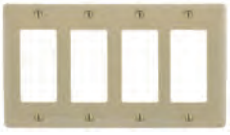
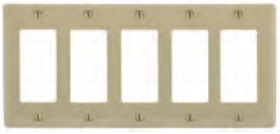
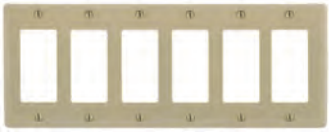
Description	Color	Nylon Catalog Number	Material	Metal Catalog Number
1-Gang, 1-Toggle 2.25 in. (57.2) Spacing 	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS1C** –
2-Gang, 2-Toggle 2.25 in. (57.2) Spacing 	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS2C** –
3-Gang, 3-Toggle 2.25 in. (57.2) Spacing 	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS3C** –
4-Gang, 4-Toggle 2.25 in. (57.2) Spacing 	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS4C** –
5-Gang, 5-Toggle 2.25 in. (57.2) Spacing 	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS5C** –
6-Gang, 6-Toggle 2.25 in. (57.2) Spacing 	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS6C** –

347 Volt Decorator Wallplates

Description	Color	Nylon Catalog Number	Material	Metal Catalog Number
1-Gang, 1-Decorator 	Black Gray Ivory White	**HPS1347BK** **HPS1347GY** **HPS1347I** **HPS1347W**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
2-Gang, 2-Decorator 	Black Gray Ivory White	**HPS2347BK** **HPS2347GY** **HPS2347I** **HPS2347W**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
3-Gang, 3-Decorator 	Ivory White	**HPS3347I** **HPS3347W**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.

GFCI, Surge Receptacles and Style Line® Device Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Decorator	Almond	**NP26AL**	**NPJ26AL**	Aluminum	①
	Black	**NP26BK**	**NPJ26BK**	Brass	**SB26**
	Blue	**–**	**NPJ26BL**	Brass Plated	**SBP26**
	Brown	**NP26**	**NPJ26**	Chrome	**SCH26**
	Gray	**NP26GY**	**NPJ26GY**	S/S 302/304	**SS26**
	Ivory	**NP26I**	**NPJ26I**	S/S 430	**SS26L**
	Light Almond	**NP26LA**	**NPJ26LA**	Steel, Almond	**PHPS1AL***
	Office White	**NP26OW**	**NPJ26OW**	Steel, Gray	**PHPS1G***
	Red	**NP26R**	**NPJ26R**		
	White	**NP26W**	**NPJ26W**		
2-Gang, 2-Decorator	Almond	**NP262AL**	**NPJ262AL**	Aluminum	①
	Black	**NP262BK**	**NPJ262BK**	Brass	**SB262**
	Brown	**NP262**	**NPJ262**	Brass Plated	**SBP262**
	Gray	**NP262GY**	**NPJ262GY**	Chrome	**SCH262**
	Ivory	**NP262I**	**NPJ262I**	S/S 302/304	**SS262**
	Light Almond	**NP262LA**	**NPJ262LA**	S/S 430	**SS262L**
	Office White	**NP262OW**	**NPJ262OW**	Steel, Almond	**PHPS2AL***
	Red	**NP262R**	**NPJ262R**	Steel, Gray	**PHPS2G***
	White	**NP262W**	**NPJ262W**		
3-Gang, 3-Decorator 	Almond	**NP263AL**	**NPJ263AL**	Aluminum	①
	Black	**NP263BK**	**NPJ263BK**	Brass	①
	Brown	**NP263**	**NPJ263**	Brass Plated	**SBP263**
	Gray	**NP263GY**	**NPJ263GY**	Chrome	①
	Ivory	**NP263I**	**NPJ263I**	S/S 302/304	**SS263**
	Light Almond	**NP263LA**	**NPJ263LA**	S/S 430	**–**
	Office White	**NP263OW**	**NPJ263OW**	Steel, Almond	**PHPS3AL***
	Red	**NP263R**	**NPJ263R**		
	White	**NP263W**	**NPJ263W**		
4-Gang, 4-Decorator 	Almond	**NP264AL**	**NPJ264AL**	Aluminum	①
	Black	**NP264BK**	**NPJ264BK**	Brass	①
	Brown	**NP264**	**NPJ264**	Brass Plated	①
	Gray	**NP264GY**	**NPJ264GY**	Chrome	①
	Ivory	**NP264I**	**NPJ264I**	S/S 302/304	**SS264**
	Light Almond	**NP264LA**	**NPJ264LA**	S/S 430	**–**
	Office White	**NP264OW**	**NPJ264OW**	Steel, Almond	**PHPS4AL***
	White	**NP264W**	**NPJ264W**		
5-Gang, 5-Decorator 	Black	**NP265BK**	**–**	Aluminum	①
	Brown	**NP265**	**–**	Brass	①
	Gray	**NP265GY**	**–**	Brass Plated	①
	Ivory	**NP265I**	**–**	Chrome	①
	Light Almond	**NP265LA**	**–**	S/S 302/304	**SS265**
	White	**NP265W**	**–**	S/S 430	**–**
				Steel, Almond	**PHPS5AL***
6-Gang, 6-Decorator 	Black	**NP266BK**	**–**	Aluminum	①
	Brown	**NP266**	**–**	Brass	①
	Gray	**NP266GY**	**–**	Brass Plated	①
	Ivory	**NP266I**	**–**	Chrome	①
	Light Almond	**NP266LA**	**–**	S/S 302/304	**SS266**
	White	**NP266W**	**–**	S/S 430	**–**
				Steel, Almond	**PHPS6AL***

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.

①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.

**Powder coat paint finish.*

Combination Wallplates, 2-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
2-Gang, 1-Toggle, 1-Duplex	Almond	**NP18AL**	**NPJ18AL**	Aluminum	①
	Black	**NP18BK**	**NPJ18BK**	Brass	①
	Brown	**NP18**	**NPJ18**	Brass Plated	**SBP18**
	Gray	**NP18GY**	**NPJ18GY**	Chrome	**SCH18**
	Ivory	**NP18I**	**NPJ18I**	S/S 302/304	**SS18**
	Light Almond	**NP18LA**	**NPJ18LA**	S/S 430	**SS18L**
	Office White	**NP18OW**	**NPJ18OW**	Steel, Almond	**SP18AL***
	Red	**NP18R**	**NPJ18R**	Steel, Gray	**SP18G***
	White	**NP18W**	**NPJ18W**		
2-Gang, 1-Duplex, 1-Decorator	Almond	**NP826AL**	**NPJ826AL**	Aluminum	①
	Black	**NP826BK**	**NPJ826BK**	Brass	**SB826**
	Brown	**NP826**	**NPJ826**	Brass Plated	①
	Gray	**NP826GY**	**NPJ826GY**	Chrome	①
	Ivory	**NP826I**	**NPJ826I**	S/S 302/304	**SS826**
	Light Almond	**NP826LA**	**NPJ826LA**	S/S 430	–
	Office White	**NP826OW**	–		
	White	**NP826W**	**NPJ826W**		
2-Gang, 1-Toggle, 1-Decorator	Almond	**NP126AL**	**NPJ126AL**	Aluminum	①
	Black	**NP126BK**	**NPJ126BK**	Brass	**SB126**
	Brown	**NP126**	**NPJ126**	Brass Plated	**SBP126**
	Gray	**NP126GY**	**NPJ126GY**	Chrome	①
	Ivory	**NP126I**	**NPJ126I**	S/S 302/304	**SS126**
	Light Almond	**NP126LA**	**NPJ126LA**	S/S 430	**SS126L**
	White	**NP126W**	**NPJ126W**	Steel, Almond	**PJS126AL***
				Steel, Gray	**PJS126G***
2-Gang, 1-Duplex, 1-Telephone .406 in. (10.3) Hole Strap Mount	Black	**NP128BK**	–	Aluminum	–
	Brown	**NP128**	–	Brass	–
	Gray	**NP128GY**	–	Brass Plated	–
	Ivory	**NP128I**	–	Chrome	–
	White	**NP128W**	–	S/S 302/304	–
				S/S 430	–
2-Gang, 1-Toggle, 1-Telephone .406 in. (10.3) Hole Strap Mount	Black	**NP112BK**	–	Aluminum	–
	Brown	**NP112**	–	Brass	–
	Gray	**NP112GY**	–	Brass Plated	–
	Ivory	**NP112I**	–	Chrome	–
	Office White	**NP112OW**	–	S/S 302/304	–
	White	**NP112W**	–	S/S 430	–
2-Gang, 1-Decorator, 1-Telephone .406 in. (10.3) Hole Strap Mount	Black	**NP1226BK**	–	Aluminum	–
	Brown	**NP1226**	–	Brass	–
	Gray	**NP1226GY**	–	Brass Plated	–
	Ivory	**NP1226I**	–	Chrome	–
	White	**NP1226W**	–	S/S 302/304	–
				S/S 430	–
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex	Almond	**NP78AL**	–	Aluminum	①
	Brown	**NP78**	–	Brass	①
	Gray	**NP78GY**	–	Brass Plated	①
	Ivory	**NP78I**	–	Chrome	①
	White	**NP78W**	–	S/S 302/304	**SS78**
				S/S 430	–
2-Gang, 1-Single Recept. 1.60 in. (40.6) Hole, 1-Duplex	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS8720**
				S/S 430	–

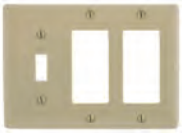
Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
**Powder coat paint finish.*

Combination Wallplates, 2-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
2-Gang, 1-Toggle, 1-Single Receptacle 1.40 in. (35.6) Hole	Black	**NP17BK**	–	Aluminum	①
	Brown	**NP17**	–	Brass	①
	Gray	**NP17GY**	–	Brass Plated	①
	Ivory	**NP17I**	–	Chrome	①
	White	**NP17W**	–	S/S 302/304	**SS17**
				S/S 430	–
2-Gang, 1-Toggle, 1-Blank, Box Mount	Black	**NP113BK**	–	Aluminum	①
	Brown	**NP113**	**NPJ113**	Brass	①
	Gray	**NP113GY**	–	Brass Plated	①
	Ivory	**NP113I**	**NPJ113I**	Chrome	①
	Light Almond	**NP113LA**	–	S/S 302/304	**SS113**
	White	**NP113W**	–	S/S 430	–
2-Gang, 1-Toggle, 1-Blank, Strap Mount	Black	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Gray	–	–	Brass Plated	①
	Ivory	–	–	Chrome	①
	Light Almond	–	–	S/S 302/304	**SS114**
	White	–	–	S/S 430	–
2-Gang, 1-Blank, 1-Duplex, Box Mount	Black	**NP138BK**	–	Aluminum	①
	Brown	**NP138**	**NPJ138**	Brass	①
	Gray	**NP138GY**	–	Brass Plated	①
	Ivory	**NP138I**	**NPJ138I**	Chrome	①
	Light Almond	**NP138LA**	–	S/S 302/304	**SS138**
	White	**NP138W**	**NPJ138W**	S/S 430	–
2-Gang, 1-Blank, 1-Duplex, Strap Mount	Black	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Gray	–	–	Brass Plated	①
	Ivory	–	–	Chrome	①
	Light Almond	–	–	S/S 302/304	**SS148**
	White	–	–	S/S 430	–
2-Gang, 1-Blank, 1-Decorator, Box Mount	Black	**NP1326BK**	**NPJ1326BK**	Aluminum	①
	Brown	**NP1326**	**NPJ1326**	Brass	①
	Gray	**NP1326GY**	**NPJ1326GY**	Brass Plated	①
	Ivory	**NP1326I**	**NPJ1326I**	Chrome	①
	Light Almond	**NP1326LA**	**NPJ1326LA**	S/S 302/304	**SS1426***
	White	**NP1326W**	**NPJ1326W**	S/S 430	–
2-Gang, 1-Telephone, .406 in. (10.3) Hole, 1-Blank, Strap Mount	Black	**NP1214BK**	–	Aluminum	–
	Brown	**NP1214**	–	Brass	–
	Gray	**NP1214GY**	–	Brass Plated	–
	Ivory	**NP1214I**	–	Chrome	–
	White	**NP1214W**	–	S/S 302/304	–
				S/S 430	–
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole 1-Blank, Strap Mount	Black	**NP147BK**	–	Aluminum	①
	Brown	**NP147**	–	Brass	①
	Gray	**NP147GY**	–	Brass Plated	①
	Ivory	**NP147I**	–	Chrome	①
	White	**NP147W**	–	S/S 302/304	①
				S/S 430	–

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
**Strap Mount.*

Combination Wallplates, 3-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
3-Gang, 2-Toggle, 1-Duplex	Brown	**NP28**	**NPJ28**	Aluminum	①
	Gray	**NP28GY**	**–**	Brass	①
	Ivory	**NP28I**	**NPJ28I**	Brass Plated	**SBP28**
	Light Almond	**NP28LA**	**NPJ28LA**	Chrome	①
	White	**NP28W**	**NPJ28W**	S/S 302/304	**SS28**
				S/S 430	**–**
				Steel, Almond	**SP28AL***
				Steel, Gray	**SP28G***
3-Gang, 1-Toggle, 2-Duplex	Black	**NP182BK**	**–**	Aluminum	①
	Brown	**NP182**	**–**	Brass	①
	Gray	**NP182GY**	**–**	Brass Plated	①
	Ivory	**NP182I**	**–**	Chrome	①
	White	**NP182W**	**–**	S/S 302/304	**SS182**
				S/S 430	**–**
3-Gang, 2-Toggle, 1-Decorator	Black	**NP226BK**	**NPJ226BK**	Aluminum	①
	Brown	**NP226**	**NPJ226**	Brass	①
	Gray	**NP226GY**	**NPJ226GY**	Brass Plated	①
	Ivory	**NP226I**	**NPJ226I**	Chrome	①
	Light Almond	**NP226LA**	**NPJ226LA**	S/S 302/304	**SS226**
	White	**NP226W**	**NPJ226W**	S/S 430	**–**
				Steel, Gray	**PJS226G***
3-Gang, 1-Toggle, 2-Decorator 	Black	**NP1262BK**	**–**	Aluminum	①
	Brown	**NP1262**	**–**	Brass	①
	Gray	**NP1262GY**	**–**	Brass Plated	①
	Ivory	**NP1262I**	**–**	Chrome	①
	Light Almond	**NP1262LA**	**–**	S/S 302/304	①
	White	**NP1262W**	**–**	S/S 430	**–**
3-Gang, 2-Duplex, 1-Blank	Black	**–**	**–**	Aluminum	①
	Brown	**–**	**–**	Brass	①
	Gray	**–**	**–**	Brass Plated	①
	Ivory	**–**	**–**	Chrome	①
	Light Almond	**–**	**–**	S/S 302/304	**SS211**
	White	**–**	**–**	S/S 430	**–**
3-Gang, 1-Duplex, 1-Blank, 1-Duplex	Black	**–**	**–**	Aluminum	①
	Brown	**–**	**–**	Brass	①
	Gray	**–**	**–**	Brass Plated	①
	Ivory	**–**	**–**	Chrome	①
	Light Almond	**–**	**–**	S/S 302/304	**SS8147**
	White	**–**	**–**	S/S 430	**–**
3-Gang, 2-Toggle, 1-Blank	Black	**–**	**–**	Aluminum	①
	Brown	**–**	**–**	Brass	①
	Gray	**–**	**–**	Brass Plated	①
	Ivory	**–**	**–**	Chrome	①
	Light Almond	**–**	**–**	S/S 302/304	**SS213**
	White	**–**	**–**	S/S 430	**–**

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
**Powder coat paint finish.*

Combination Plates, 4- and 5-Gang

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
4-Gang, 3-Toggle, 1-Duplex	Brown	**NP38**	–	Aluminum	①
	Ivory	**NP38I**	–	Brass	①
	Light Almond	**NP38LA**	–	Brass Plated	①
	White	**NP38W**	–	Chrome	①
				S/S 302/304	**SS38**
				S/S 430	–
4-Gang, 3-Toggle, 1-Decorator	Black	**NP326BK**	–	Aluminum	①
	Brown	**NP326**	–	Brass	①
	Gray	**NP326GY**	–	Brass Plated	①
	Ivory	**NP326I**	–	Chrome	①
	Light Almond	**NP326LA**	–	S/S 302/304	**SS326**
	White	**NP326W**	–	S/S 430	–
4-Gang, 2-Toggle, 2-Decorator	Black	**NP2262BK**	–	Aluminum	①
	Brown	**NP2262**	–	Brass	①
	Gray	**NP2262GY**	–	Brass Plated	①
	Ivory	**NP2262I**	–	Chrome	①
	Light Almond	**NP2262LA**	–	S/S 302/304	①
	White	**NP2262W**	–	S/S 430	–
5-Gang, 4-Toggle, 1-Duplex	Brown	**NP48**	–	Aluminum	①
	Ivory	**NP48I**	–	Brass	①
	White	**NP48W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	①
				S/S 430	–

Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.

①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.

Telephone and Coaxial Outlet Plates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Tel Nylon .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount	Almond	**NP11AL**	**NPJ11AL**	Aluminum	①
	Black	**NP11BK**	–	Brass	①
	Brown	**NP11**	**NPJ11**	Brass Plated	①
	Gray	**NP11GY**	–	Chrome	①
	Ivory	**NP11I**	**NPJ11I**	S/S 302/304	**SS11***
	Light Almond	**NP11LA**	**NPJ11LA**	S/S 430	**SS11L***
	Red	**NP11R**	–		
	White	**NP11W**	**NPJ11W**		
1-Gang, 1-Tel Nylon .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount	Almond	**NP12AL**	–	Aluminum	①
	Black	**NP12BK**	–	Brass	**SB12***
	Brown	**NP12**	–	Brass Plated	**SBP12***
	Gray	**NP12GY**	–	Chrome	**SCH12***
	Ivory	**NP12I**	–	S/S 302/304	**SS12***
	White	**NP12W**	–	S/S 430	**SS12L***
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount	Almond	**NP737AL**	–	Aluminum	–
	Brown	**NP737**	–	Brass	–
	Ivory	**NP737I**	–	Brass Plated	–
	White	**NP737W**	–	Chrome	–
				S/S 302/304	–
				S/S 430	–
1-Gang, 1-Tel .625 in. (15.9) Hole, Strap Mount	Brown	**NP730**	–	Aluminum	–
	Ivory	**NP730I**	–	Brass	–
	White	**NP730W**	–	Brass Plated	–
				Chrome	–
				S/S 302/304	–
				S/S 430	–
1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount or Strap Mount	Almond	–	–	Aluminum	①
	Brown	–	–	Brass	①
	Ivory	–	–	Brass Plated	①
	White	–	–	Chrome	①
				S/S 302/304	**SS739**
				S/S 302/304, Strap Mount	**SS738**
				S/S 430	–
2-Gang, 2-Tel Nylon .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount	Black	**NP21BK**	–	Aluminum	①
	Brown	**NP21**	–	Brass	①
	Gray	**NP21GY**	–	Brass Plated	①
	Ivory	**NP21I**	–	Chrome	①
	White	**NP21W**	–	S/S 302/304, Strap Mount	**SS22***
				S/S 430	–
2-Gang, 1-Tel .640 in. (16.3) Hole, Box Mount	Almond	–	–	Aluminum	–
	Brown	–	–	Brass	–
	Ivory	–	–	Brass Plated	–
	White	–	–	Chrome	–
				S/S 302/304	**SS741***
				S/S 430	–

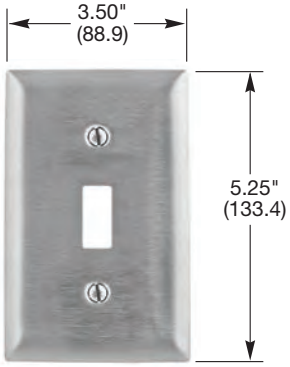
Note: All standard and mid-size nylon wallplates feature pre-inserted captive screws for faster assembly, up to 6-gang.
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.
** .50" (12.7) I.D. nylon bushing provided.*

Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Number
1-Gang, 1-Toggle	**SSJ1**
2-Gang, 2-Toggle	**SSJ2**
1-Gang, 1-Duplex	**SSJ8**
2-Gang, 2-Duplex	**SSJ82**
1-Gang, 1-Decorator	**SSJ26**
2-Gang, 2-Decorator	**SSJ262**
1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) Dia. Face	**SSJ7**

Configuration	Catalog Number
1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) Dia. Face	**SSJ723**
1-Gang, 1-Blank, Box Mount	**SSJ13**
1-Gang, 1-Telephone Opening, .640 in. (16.3) Box Mount	**SSJ11***
2-Gang, 1-Toggle, 1-Duplex	**SSJ18**
2-Gang, 1-Toggle, 1-Decorator	**SSJ126**

*Note: *.50 in. (12.7) I.D. nylon bushing provided.*
Specifications are subject to change without notice.



Jumbo Wallplate

Oversize dimensions (see page N-31 for more details).
1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).
2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).
3-Gang, 5.25 in. x 7.12 in. (133.4 x 180.8).

Dimensions in Inches (mm)

Pre-Marked "EMERGENCY" and Barrel Key Switch Wallplates

Pre-Marked "EMERGENCY" Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled white lettering	Red	–	**NPJ8RMEV**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS8MEV** –
1-Gang, 1-Toggle, paint filled white lettering	Red	–	**NPJ1RME**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS1ME** –
2-Gang, 2 Duplex, paint filled red lettering	–	–	**–**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – **SS82MEV** –

Note: See page N-31 for mid-size plate dimensions.
All lettering .25 in. (6.3) high.

Stainless Steel Barrel Key Switch Wallplates

Description	1-Gang, with on/off markings	1-Gang, with position markings	2-Gang, with on/off markings	2-Gang, with position markings
Stainless steel, 302/304, smooth.	**SS12RKL**	**SS12RKLM**	**SS22RKL**	**SS22RKLM**

Note: See page D-6 for barrel key switch selection.

Single Count Screws and Accessories

Description	Catalog Number
Stainless steel screw, standard slot, .38 in. (9.7) long.	**HBL7341SS**
Security spanner head screws, 6-32 thread, 100 count.	**HBL7342RKL**
Screwdriver with spanner head security bit.	**HBL7372RKL**

HBL7342RKL

HBL7372RKL

Pre-Marked "ISOLATED GROUND" Wallplates

Description	Color	Nylon Standard	Nylon No Marking	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled black	Orange	**NP8OIG**	**NP8OR**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Decorator, paint filled black	Orange	**NP26OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Single Recept. 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. face, paint filled black	Orange	**NP7OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Single Recept. 1.60 in. (40.6) Hole for 20 and 30A Twist-Lock® with 1.55–1.58 in. (39.4–40.1) Dia. face, paint filled black	Orange	**NP720OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –

Pre-Marked "COMPUTER ONLY" Wallplates

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled black	Orange Ivory	– –	**NPJ8CO** **NPJ8C**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
2-Gang, 2-Duplex, paint filled black	Orange	–	**NPJ82CO**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Decorator, paint filled black	Blue Ivory	– –	**NPJ26CBL** **NPJ26C**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –

Louver Plate, 1-Gang, Box Mount

Description	Color	Nylon Standard	Nylon Mid-Size	Material	Metal Catalog Number
1-Gang, Vertical Mounted Louver	– – – – –	– – – – –	– – – – –	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① **SB771** **SBP771** ① **SS771** –

*Note: *See page N-31 for mid-size plate dimensions.*
①Available as a custom wallplate, see pages N-32 to N-36. Consult custom wallplates section for additional openings and combinations.

1-Gang, White

Description	Catalog Number
1-Toggle switch	**SWP1**
1-Duplex receptacle	**SWP8**
1-GFCI/Style Line® opening	**SWP26**
1-Telephone or TV opening .640 in. (16.3)	**SWP12**
1-Blank	**SWP13**

SWP1

SWP8

2-Gang, White

Description	Catalog Number
2-Toggle switches	**SWP2**
2-Duplex receptacles	**SWP82**
1-Toggle switch, 1-Duplex receptacle	**SWP18**
2-GFCI/Style Line® openings	**SWP262**
1-Toggle switch, 1-GFCI/Style Line® opening	**SWP126**
1-Duplex receptacle, 1-Telephone or TV	**SWP812**
1-Duplex receptacle, 1-Blank	**SWP813**
2-Blank	**SWP23**

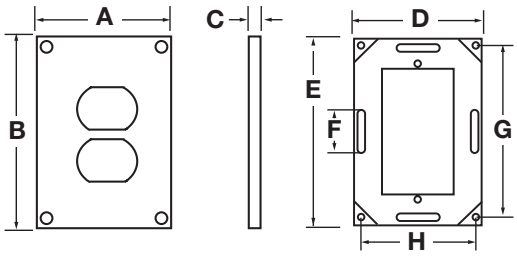
SWP82

SWP18

3-Gang, White

Description	Catalog Number
2-Toggle switches, 1-Duplex receptacle	**SWP28**

SWP28



Dimensions

	A	B	C	D	E	F	G	H
1-Gang in. (mm)	3.77" (95.8)	5.52" (140.2)	.55" (14.0)	3.37" (85.6)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	2.88" (73.2)
2-Gang in. (mm)	5.52" (140.2)	5.52" (140.2)	.55" (14.0)	5.13" (130.3)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	4.63" (117.6)
3-Gang in. (mm)	7.39" (187.71)	5.52" (140.21)	.55" (14.0)	7.00" (177.8)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	6.50" (165.1)

Specifications

Tamper resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Cover plate: One piece #14 cold rolled zinc plated steel. Plate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back plate: #10 cold rolled galvanized steel. Plate assembly shall use four (4) #8-32 X ½ inch stainless steel T-15 TORX® head screws with center pin reject. Plate must be UL listed to UL 514D and comply with the NEC®.

TORX® is a registered trademark of Textron Inc.
NEC® is a registered trademark of the The National Electrical Code.

Dimensions in Inches (mm)

HBL96067
Shown with receptacle
(sold separately)

HBL6187
Shown with receptacle
and back box
(sold separately)

Brass Locking Cover Plate

Description	Catalog Number
Locking cover plate for single 15 and 20A straight blade receptacles and 15A Twist-Lock® receptacles. Straight cylinder type lock. All cylinder locks keyed alike.	**HBL96067**

Weather Shield Plate

Description	Catalog Number
20° angle plate for duplex receptacles.	**HBL6187**

Catalog Number of Receptacles in Groups A through E below

Group A Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Group B Boss diameter 1.55" to 1.58" (39.4 to 40.1)			Group C Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Group D Boss diameter 2.09" to 2.13" (53.1 to 54.1)	Group E Boss diameter 2.28" to 2.44" (57.9 to 62.0)
HBL23000HG	**HBL5661**	**HBL23CM10**	**HBL2530**	**HBL2770**	**HBL45105**	**HBL7962**	**HBL7301A**
HBL23030	**HBL6810**	**HBL2310**	**HBL26CM10**	**HBL2810**	**HBL45205**	**HBL9350**	**HBL8330A**
HBL4560	**HBL7210B**	**HBL2320**	**HBL2610**	**HBL2820**	**HBL45305**	**HBL9308**	**HBL8350A**
HBL4710	**HBL7250**	**HBL2330**	**HBL2620**	**HBL2830**	**HBL45905**	**HBL9315**	**HBL8430A**
HBL4760	**HBL7310B**	**HBL2340**	**HBL2630**	**HBL3330**		**HBL9330**	**HBL8450A**
HBL5251	**HBL7310BG**	**HBL2410**	**HBL2640**	**HBL3330G**		**HBL9360•**	**HBL8460A**
HBL52CM61	**HBL7535**	**HBL2420**	**HBL2650**	**HBL3430**		**HBL9365•**	**HBL9430A**
HBL5261	**HBL7582**	**HBL2430**	**HBL2710**	**HBL3430G**		**HBL9367•**	**HBL9450A**
HBL53CM61	**HBL8210**	**HBL2440**	**HBL2720**	**HBL3520**			**HBL9460A**
HBL5361	**HBL8310**	**HBL2450**	**HBL2730**	**HBL7410B**			
HBL5461	**HBL8410**	**HBL2460**	**HBL2740**	**HBL7410BG**			
HBL5552B	**HBL8420**	**HBL2510**	**HBL2750**				
		HBL2520	**HBL2760**				

Note: •50A 2P 3W.

Wallplates for Single Receptacles

Description	Group A Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Group B Boss diameter 1.55" to 1.58" (39.4 to 40.1)		Group C Boss diameter 1.68" to 1.72" (42.7 to 43.7)		Group D Boss diameter 2.09" to 2.13" (53.1 to 54.1)		Group E Boss diameter 2.28" to 2.44" (57.9 to 62.0)
	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	2-Gang
Smooth nylon, brown.	**NP7***	**–**	**NP720***	**–**	**–**	**–**	**NP724***	**NP703***	**–**
Cast aluminum.	**HBL7320**	**–**	**HBL7320**	**–**	**HBL3394**	**–**	**HBL9419**	**–**	**–**
Stainless steel, 302/304, smooth.	**SS7****	**SS72**	**SS720**	**–**	**SS725**	**–**	**SS723**	**SS703**	**SS701**

Note: See pages N-6 and N-7 for complete plate descriptions.
Catalog number indicated is Brown, add with the following to designate color: "AL**" (Almond), "**BK**" (Black), "**GY**" (Gray), "**I**" (Ivory), and "**W**" (white).*
***Catalog number indicated is Stainless Steel, replace "**SS**" with the following prefix to designate material: "**SA**" for Anodized Aluminum, "**SB**" for Solid Brass.*

Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

Description	Group A Boss diameter 1.36" to 1.39" (34.5 to 35.3)	Group B Boss diameter 1.55" to 1.58" (39.4 to 40.1)	Group C Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Group D Boss diameter 2.09" to 2.13" (53.1 to 54.1)	50A Twist-Lock® Receptacles	30A 4W Hubbellock® Receptacles
Thermoplastic, with cover "open", gray.	**HBL7423WO**	**HBL7425WOA**	**HBL7424WO**	**–**	**HBL7774WO▲**	**–**
Thermoplastic, with cover "open", yellow.	**HBL74CM23WO**	**HBL74CM25WOA**	**HBL74CM24WO**	**–**	**HBL77CM74WO▲**	**–**
Cast aluminum, with cover "closed".	**HBL7420**	**HBL7420**	**HBL3393**	**HBL9420** **HBL9425•**	**HBL7770**	**HBL20405†** **HBL20446†**

Note: •50A 2P 3W.
▲The "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic plates.
†HBL20446 plate painted red for use with HBL20443 only. HBL20405 plate is for use with HBL20403 only. See page B-65 for devices.

Weatherproof Covers for Receptacles

For FS/FD Box Mounting

IP44
SUITABILITY

For Receptacles with Face Diameters of 2.28–2.44 in. (57.9–62.0)

Description	Catalog Number
Thermoplastic, 2-gang, wet and damp locations with cover “closed”, gray.	**HBL7777A▲**
Thermoplastic, 2-gang, wet and damp locations with cover “closed”, yellow.	**HBL77CM77A▲**
Thermoplastic, 2-gang, wet and damp locations with cover “closed”, gray.	**HBL7777▽**

HBL7777A

For Receptacles with Face Diameters of 2.09–2.13 in. (53.1–54.1)

Description	Catalog Number
Cast aluminum, wet locations only when cover “closed” and damp locations.	**HBL9420**
Cast aluminum, no lift cover. NOT weatherproof.	**HBL9419**

HBL9420

For 50A Twist-Lock® Single Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7774WO***
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL77CM74WO***
Cast aluminum, wet locations only when cover “closed” and damp locations.	**HBL7770**
Galvanized Steel, fits 4" square or 2-gang box.	**HBL50SC****
Stainless steel, single gang, wallplate. NOT weatherproof.	**SS750▲**

HBL7774WO

For 30A, 4 Wire Hubbellock® Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover “open”, red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover “closed” and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover “closed” and damp locations, red finish.	**HBL20446**
Cast aluminum, no lift cover. NOT weatherproof.	**HBL20406**

Note: ▲Will fit FS/FD boxes having plate mounting holes on 3.25 in. x 3.75 in. (82.6 x 95.3) centers.
▽Will only fit old style porcelain face devices.
**The “CS” versions of 50A Twist-Lock® will only fit these plates.*
***IP20 Suitability.*

HBL7770

Weatherproof Covers for Single Receptacles for Use on FS/FD Boxes

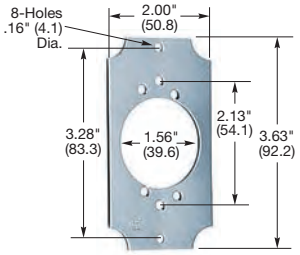
Note: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix “WO” are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

Accessories

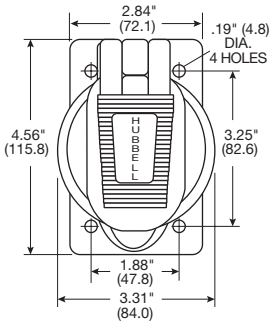
Description	Catalog Number
Sub-plate for mounting and weatherproofing flanged devices with mounting centers of 1.76", 1.94" or 2.13" such as HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof plate.	**7452•**
Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 plates to standard boxes.	**HBL7349•**

Note: •Not UL Listed.

HBL20405



7452



Typical Plate, 1-Gang

HBL7349

Dimensions in Inches (mm)

Weatherproof Covers for Receptacles and Switches

Vertical, for FS/FD box mounting

HBL7423WO

HBL7425WOA

HBL7420

HBL7320

HBL7424WO

HBL3393

For Receptacles with Face Diameters of 1.36–1.39 in. (34.5–35.3)

IP44 SUITABILITY

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7423WO**
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL74CM23WO**
Cast aluminum, wet location only when cover “closed” and damp locations.	**HBL7420**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320▲**

For Switches and Receptacles with Face Diameters of 1.55–1.58 in. (39.4–40.1)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7425WOA**
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL74CM25WOA**
Thermoplastic, wet and damp locations with cover “open”, white.	**HBL74CM25WOAW**
Cast aluminum, wet and damp locations with cover “closed.”	**HBL7420***
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320▲**
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7428WOG****
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL7428WOY****
Thermoplastic, wet and damp locations with cover “open”, red.	**HBL7428WOR****

For Receptacles with Face Diameters of 1.68–1.72 in. (42.7–43.7)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7424WO**
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL74CM24WO**
Cast aluminum, wet location only when cover “closed” and damp locations.	**HBL3393**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL3394▲**

*Note: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitch® Switches.*
***Features two #6-32 threaded inserts to back mount device to cover.*
▲IP20 Suitability.
All weatherproof lift cover plates on this page are UL Listed as “WDL Closed” for use in wet locations with cover closed and in damp locations.

Weatherproof Covers for Single Receptacles on FS/FD Boxes

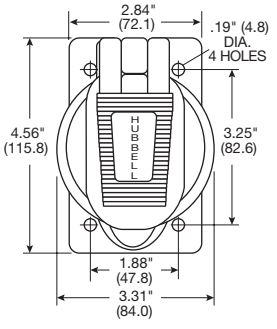
Note: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix “WO” are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

2011 National Electrical Code (NEC®)

406.9 Receptacles in Damp or Wet Locations.

(A) Damp Locations. A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure for the receptacle that is weatherproof when the receptacle is covered (attachment plug cap not inserted and receptacle covers closed). An installation suitable for wet locations shall also be considered suitable for damp locations. A receptacle shall be considered to be in a location protected from the weather where located under roofed open porches, canopies, marquees, and the like, and will not be subjected to a beating rain or water runoff. All 15 and 20A, 125 and 250V nonlocking receptacles shall be listed weather-resistant type. FPN: The types of receptacles covered by this requirement are identified as 5-15, 5-20, 6-15 and 6-20 in ANSI/NEMA WD 6-2002, National Electrical Manufacturers Association Standard for Dimensions of Attachment Plugs and Receptacles.

(B) Wet Locations. 15 and 20A, 125 and 250V receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. For other one or two family dwellings, an outlet box hood installed for this purpose shall be listed, and where installed on an enclosure supported from grade as described in 314.23(B) or as described in 314.23(F) shall be identified as “extra-duty”. All 15 and 20A, 125 and 250V nonlocking type receptacles shall be listed weather resistant type.



Typical Plate, 1-Gang

NEC® is a registered trademark of the The National Electrical Code.

Weatherproof Covers for Flanged Devices

For Flanged Inlets and Flanged Receptacles

Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY

Description	Catalog Number
For use with 15 and 20A, 2 pole, 2 wire and 2 pole, 3 wire Insulgrip® flanged inlets and flanged receptacles below.	**WP1**

Straight Blade, 2 pole, 3 wire

Flanged Inlets	Flanged Receptacles
HBL5278C **HBL5378C** **HBL5478C** **HBL5678C**	**HBL5279C** **HBL5379C** **HBL5479C** **HBL5679C**

Twist-Lock®, 2 pole, 2 wire and 2 pole, 3 wire

Flanged Inlets	Flanged Receptacles
HBL8815C **HBL7524C** **HBL4716C** **HBL4586C** **HBL4786C**	**HBL8809C** **HBL7526C** **HBL4715C** **HBL4585C** **HBL4785C**

Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

Description	Catalog Number
For 20 and 30A, 3, 4, and 5 wire Insulgrip flanged inlets and flanged receptacles below.	**WP2**

Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire; 4 pole, 4 wire; 4 pole, 5 wire

Flanged Inlets

HBL2315	**HBL2445**	**HBL2635**	**HBL2765**
HBL2325	**HBL2455**	**HBL2645**	**HBL2775**
HBL2335	**HBL2465**	**HBL2655**	**HBL2815**
HBL2345	**HBL2515**	**HBL2715**	**HBL2825**
HBL2355	**HBL2525**	**HBL2725**	**HBL2835**
HBL2415	**HBL2535**	**HBL2735**	**HBL3325C**
HBL2425	**HBL2615**	**HBL2745**	**HBL3334C**
HBL2435	**HBL2625**	**HBL2755**	**HBL7408C**

Flanged Receptacles

HBL2316	**HBL2446**	**HBL2636**	**HBL2766**
HBL2326	**HBL2456**	**HBL2646**	**HBL2776**
HBL2336	**HBL2466**	**HBL2656**	**HBL2816**
HBL2346	**HBL2516**	**HBL2716**	**HBL2826**
HBL2356	**HBL2526**	**HBL2726**	**HBL2836**
HBL2416	**HBL2536**	**HBL2736**	**HBL3326C**
HBL2426	**HBL2616**	**HBL2746**	**HBL3335C**
HBL2436	**HBL2626**	**HBL2756**	**HBL7409C**

WP1

WP2

Weatherproof Thermoplastic Cover For Flanged Inlets 50 Amp CS Series

Description	Catalog Number
For 50A, 2 pole, 3 wire and 3 pole, 4 wire flanged inlets below.	**HBL7780**

Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire

Flanged Inlets

CS6377	**CS6375**	**HBL3777**
CS8275	**CS8375**	**HBL3775**
CS8475	**CS8175**	**HBL7958**

HBL7780

Weatherproof Switch Plates, Covers and Locking Covers

HBL1795

HBL1750

HBL1785

HBL7420

HBL96061
shown with wallplate and switch (sold separately)

HBLWLC

IP44
SUITABILITY

Weatherproof Plates

Description	Catalog Number
Clear bubble plate, silicone rubber for use with all general purpose AC toggle and PresSwitch® Switches. Fits both FS/FD and standard boxes.	**HBL1795**

Weatherproof Plates

Description	Catalog Number
Gray neoprene PresSwitch® Plate. Fits FS/FD and standard boxes.	**HBL1750***
Same as above except yellow.	**HBL17CM50***

*Note: *Not UL Listed.*

Weatherproof Plates

Description	Catalog Number
Gray neoprene PresSwitch® Plate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785***
Same as above except yellow.	**HBL17CM85***

*Note: *Not UL Listed.*

Weatherproof Covers

Description	Catalog Number
Cast aluminum lift cover plate with fiber shield. For standard toggle and PresSwitch® Switches. Fits only FS/FD boxes.	**HBL7420**

Brass Locking Covers Attachment for Switches

Description	Catalog Number
Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key–all locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel plates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

*Note: *Not UL Listed.*

Locking Device

Description	Catalog Number
Locking device for weatherproof covers.	**HBLWLC**

Heavy Duty Weatherproof Covers for Duplex, GFCI, Surge Receptacles and Style Line® Devices

IP44
SUITABILITY

Duplex Covers For Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5221**
Thermoplastic, yellow, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21**
Thermoplastic, white, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21W**
Thermoplastic, gray, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5222**
Thermoplastic, yellow, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM22**
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	**WP8V**

HBL5221

WP8V

Duplex Covers For Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Cast aluminum, for device mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5205WO**
Cast aluminum, for FS/FD box mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5206WO**
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.90" x 4.60" x 0.75" (73.7 x 116.8 x 19.1)	**WP8H**

HBL5206WO

WP8H

GFCI, Surge and Style Line® Covers

Description	Dimensions Height x Width x Depth	Catalog Number
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	**WP26V**
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.30" x 4.75" x 0.73" (58.4 x 120.7 x 18.5)	**WP26H**

WP26V

Toggle Cover

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5201**

Note: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with Suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

WP26H

Weatherproof Covers for Duplex, Single, GFCI, Surge Receptacles and Style Line® Devices and Switches

RW51470

RW51550

RW51040

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for box mounting.	4.58" x 2.82" x 0.57" (116.3 x 71.6 x 14.5)	**RW51470**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.56" x 2.81" x 0.88" (115.8 x 71.4 x 22.4)	**RW51550***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	4.58" x 2.81" x 0.57" (116.3 x 71.4 x 14.5)	**RW51040**

RW51810

RW51520

RW51020

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	2.82" x 4.57" x 0.79" (71.6 x 116.1 x 20.1)	**RW51810**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	2.81" x 4.56" x 0.99" (71.4 x 115.8 x 25.1)	**RW51520***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	2.82" x 4.56" x 0.52" (71.6 x 115.8 x 13.2)	**RW51020**

RW51320

RW51330

RW51380

RW51450

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	4.54" x 4.54" x 0.75" (115.3 x 115.3 x 19.1)	**RW51320**
Zinc die cast, gray, one duplex/one GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	**RW51330**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	**RW51380**
Zinc die cast, gray, two GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.56" x 0.73" (115.3 x 115.8 x 18.5)	**RW51450**

Note: All weatherproof plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All plates are gasketed and self-closing.
**cULus Listed.*

Extra-Duty Metallic While-In-Use Covers

For Maximum In-Use Protection

Features

Extra-Duty Metallic While-in-Use Covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Superior commercial quality die-cast aluminum construction
- Meets or exceeds Extra-Duty rating in UL 514D
- Unique lid design allows larger plugs and provides more room for bend radius of electrical cords
- Provision on each side for holding cords – Reduces pull-outs
- Padlockable – Accepts standard size padlocks
- Includes gasket and hardware
- Powder coated for corrosion protection
- Device or box mounting
- NEMA 3R rated
- Can be installed to comply with 2011 NEC 406.9(B) (See page N-22).

1-Gang Extra-Duty Metallic While-In-Use Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
While-in-Use cover, gray, 1-gang, duplex cover for vertical mounting.	6.5" x 3.1" x 3.3" (165.1 x 78.7 x 83.2)	**WP8E**
While-in-Use cover, gray, 1-gang, round hole 1.55" or 2.10" cover, for vertical mounting.	6.5" x 4.5" x 3.3" (165.1 x 114.3 x 83.2)	**WP700E**
While-in-Use cover, gray, 1-gang, GFCI cover for vertical mounting.	6.5" x 3.1" x 3.3" (165.1 x 78.7 x 83.2)	**WP26E**

WP8E

WP700E

WP26E

1-Gang Extra-Duty Metallic While-In-Use Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
While-in-Use cover, gray, 1-gang, duplex cover for horizontal mounting.	4.7" x 5.1" x 3.3" (119.4 x 129.5 x 83.2)	**WP8EH**
While-in-Use cover, gray, 1-gang, GFCI cover for horizontal mounting.	4.7" x 5.1" x 3.3" (119.4 x 129.5 x 83.2)	**WP26EH**

WP8EH

WP26EH

2-Gang Extra-Duty Metallic While-In-Use Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
While-in-Use cover, gray, 2-gang, double duplex cover for vertical mounting.	6.5" x 5.1" x 3.3" (165.1 x 129.5 x 83.2)	**WP82E**
While-in-Use cover, gray, 2-gang, GFCI and duplex cover for vertical mounting.	6.5" x 5.1" x 3.3" (165.1 x 129.5 x 83.2)	**WP268E**
While-in-Use cover, gray, 2-gang, double GFCI cover for vertical mounting.	6.5" x 5.1" x 3.3" (165.1 x 129.5 x 83.2)	**WP262E**

WP82E

WP268E

WP262E

While-In-Use Weatherproof Covers

For Maximum In-Use Protection

IP66
SUITABILITY

RW57300

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 3.5" x 2.8" (147.3 x 88.9 x 71.1)	**RW57300**

RW57350

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, extra deep, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 3.5" x 4.8" (147.3 x 88.9 x 121.9)	**RW57350**

RW57400

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	4.0" x 5.2" x 2.8" (101.6 x 132.1 x 71.1)	**RW57400**

RW57750

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 5.3" x 2.8" (147.3 x 134.6 x 71.1)	**RW57750**

RW57900

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 5.3" x 4.8" (147.3 x 134.6 x 121.9)	**RW57900**

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 5.3" x 4.8" (147.3 x 134.6 x 121.9)	**RW57950**

RW57950

Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets NEC 406.8 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.

NEC® is a registered trademark of the The National Electrical Code.
NEMA® is a registered trademark of The National Electrical Manufacturers Association.

Screws, 6-32 Thread, 100 Count

Description	Color/Material	Catalog Number
Decorator Wallplate Screws, Oval Head Milled Slot, ⅜ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Almond	**RA38ALPK100**
	Black	**RA38BKPK100**
	Brown	**RA38PK100**
	Gray	**RA38GYPK100**
	Ivory	**RA38IPK100**
	Light Almond	**RA38LAPK100**
	White	**RA38WPK100**
	Stainless Steel	**RA38SSPK100**
Standard Wallplate Screws, Oval Head Milled Slot, ½ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Almond	**RA12ALPK100**
	Black	**RA12BKPK100**
	Brown	**RA12PK100**
	Gray	**RA12GYPK100**
	Ivory	**RA12IPK100**
	Light Almond	**RA12LAPK100**
	White	**RA12WPK100**
Standard Wallplate Screws, Oval Head Milled Slot, ⅝ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Ivory	–
	White	–
	Stainless Steel	**RA58SSPK100**
Standard Wallplate Screws, Oval Head Milled Slot, 1.0 in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100)	Ivory	**RA88IPK100**
	White	**RA88WPK100**
	Stainless Steel	**RA88SSPK100**

RA38IPK100

RA12IPK100

RA58SS

RA88IPK100

Single Count Screws and Accessories

Description	Color	Catalog Number
Blank adapter, to fill a toggle opening.	Brown	**RA756**
	Ivory	**RA756I**
	White	**RA756W**
Blank adapter, to fill a decorator opening.	Ivory	**NS620I**
	Light Almond	**NS620LA**
	White	**NS620W**
Blank adapter, .406" (10.30) dia. hole, to fill a decorator opening.	Ivory	**NS621I**
	Light Almond	**NS621LA**
	White	**NS621W**
Mounting strap, with screws.	Steel	**RA40**
Brass plated screw, standard slot, .38 in. (9.7) long.	Brass	**HBL7341**

RA756I

RA40

NS620I

NS621I

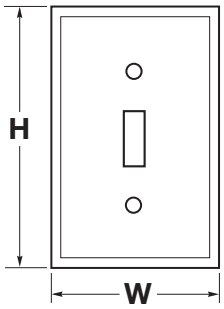
HBL7341

Specifications

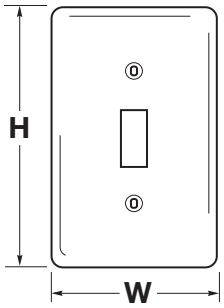
Listings	
Non-Metallic Plates	UL Standard 514D.
Metallic Plates	UL Standard 514D.
Certification	UL Files #E31999, E92074. CSA Standard C22.2 No. 42.1. CSA File 1733174.
Nylon Plate	
Thickness	.06 in. (1.5).
Mounting Screw(s)	Steel (painted slotted screw head).
Feature	Captive mounting screw hole.
Operating Temperature	-40°C to 85°C.
Appearance	Smooth.
302/304 Stainless Steel (18% Chromium, 8% Nickel) Plate	
Thickness	.035 in. (0.9) nominal.
Mounting Screw(s)	302/304 stainless steel (18% chromium, 8% nickel). Slotted screw head.
Appearance	Horizontal brushed finish.
430 Stainless Steel (17% Chromium, less than 0.5% Nickel) Plate	
Thickness	.035 in. (0.9) nominal.
Mounting Screw(s)	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.
Appearance	Horizontal brushed finish.
Brass (70% Copper, 30% Zinc) Plate	
Thickness	.04 in. (1.0).
Mounting Screw(s)	Brass (70% Copper, 30% Zinc). Slotted screw head.
Appearance	Horizontal brushed finish.
Aluminum Plate	
Thickness	.05 in. (1.3).
Mounting Screw(s)	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.
Appearance	Horizontal brushed finish.
Brass Plated Steel Plate	
Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	Brass slotted head.
Appearance	Polished, coated to inhibit oxidation.
Chrome Plated Steel Plate	
Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.
Appearance	Polished, coated to inhibit oxidation.
Steel Painted Plate	
Thickness	.03 in. (0.8) nominal.
Mounting Screw(s)	Steel (painted slotted screw head).
Appearance	Powder coat paint.

Wallplate Dimensions

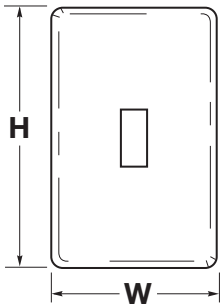
Product Dimensions



Size	Standard Metal Height	Standard Metal Width	Painted Metal Width	Size	Jumbo Metal Height	Jumbo Metal Width
1-Gang	4.50" (114.3)	2.87" (72.9)	2.75" (69.8)	1-Gang	5.25" (133.4)	3.50" (88.9)
2-Gang	4.50" (114.3)	4.60" (116.8)	4.56" (115.8)	2-Gang	5.25" (133.4)	5.31" (134.9)
3-Gang	4.50" (114.3)	6.41" (162.8)	6.38" (162.1)	3-Gang	5.25" (133.4)	7.12" (180.8
4-Gang	4.50" (114.3)	8.22" (208.8)	8.18" (207.8)			
5-Gang	4.50" (114.3)	10.03" (254.8)	10.00" (254.0)			
6-Gang	4.50" (114.3)	11.81" (300.0)	11.81" (300.0)			
7-Gang	4.50" (114.3)	13.68" (347.5)				
8-Gang	4.50" (114.3)	15.44" (392.1)				



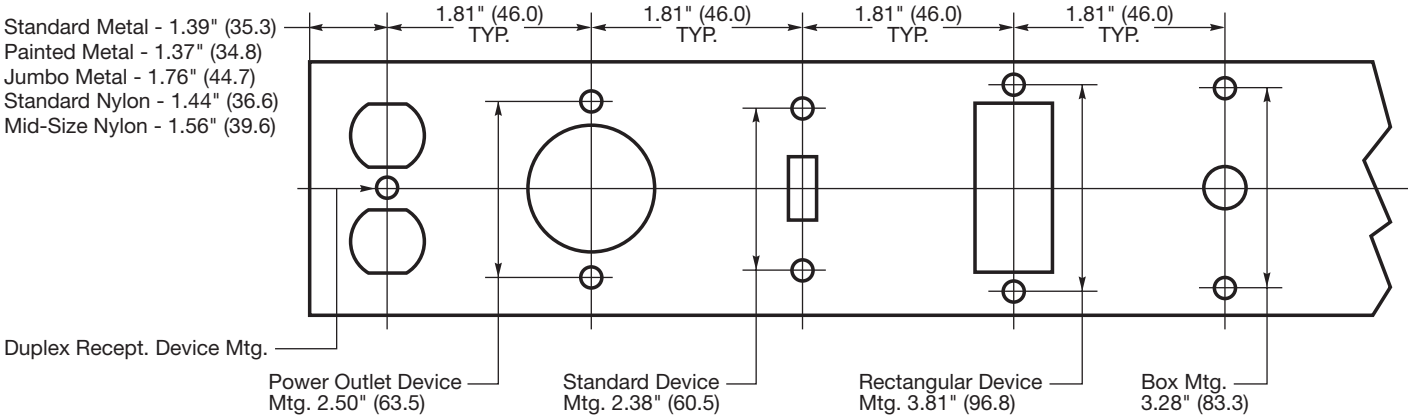
Size	Standard Nylon Height	Standard Nylon Width	Size	Mid-Size Nylon Height	Mid-Size Nylon Width
1-Gang	4.63" (117.6)	2.88" (73.2)	1-Gang	4.88" (124.0)	3.13" (79.5)
2-Gang	4.63" (117.6)	4.69" (119.1)	2-Gang	4.88" (124.0)	4.94" (125.4)
3-Gang	4.63" (117.6)	6.50" (165.1)	3-Gang	4.88" (124.0)	6.75" (171.5)
4-Gang	4.63" (117.6)	8.31" (211.1)	4-Gang	4.88" (124.0)	8.56" (217.4)
5-Gang	4.63" (117.6)	10.12" (256.1)			
6-Gang	4.63" (117.6)	11.93" (303.0)			



Size	Snap-On Nylon Height	Snap-On Nylon Width
1-Gang	4.68" (118.9)	2.94" (74.7)
2-Gang	4.68" (118.9)	4.75" (120.7)
3-Gang	4.68" (118.9)	6.56" (166.6)
4-Gang	4.68" (118.9)	8.37" (212.6)
5-Gang	4.68" (118.9)	10.18" (258.6)
6-Gang	4.68" (118.9)	11.99" (304.5)

Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical



Note: Specifications are subject to change without notice.

Step 1:

Determine wallplate material and enter in box marked "Catalog Number"

Smooth Metal Material	Code
Anodized Aluminum	**AL**
Brass plated steel	**BP**
Solid brass	**BR**
Chrome plated steel	**CH**
Stainless steel 302/304	**SS**

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

Number of Gangs	Code
1-gang	**1**
2-gang	**2**
3-gang	**3**
4-gang	**4**
5-gang	**5**
6-gang	**6**
7-gang	**7**
8-gang	**8**

Enter
Catalog Number

♦ WC* SS 4

Step 2:

Enter quantity.

Step 3:

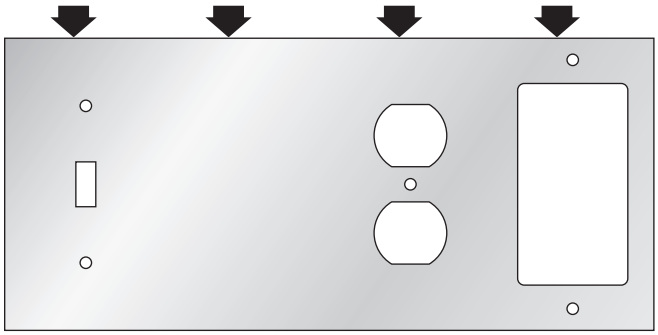
Select the custom metal wallplate configuration.

Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages N-33 to N-36. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

Item No.	Catalog Number	Quantity	Code	Position 1	Position 2	Position 3	Position 4
1	**WCSS4**		**H***	**001**	**149**	**008**	**026**
2							

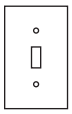
*Note: *WC and H are preprinted on the distributor order form. Number to use for pricing.*

The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages N-33 to N-36 for additional configuration choices.

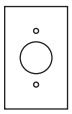


Custom Metal Wallplates

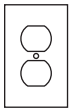
Configuration Chart



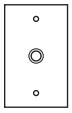
001
Switch.



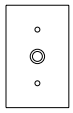
007
Single Receptacle.
1.40" ID (35.6) Hole.



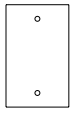
008
Duplex Receptacle.



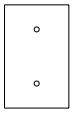
011
1-gang .635" ID (16.1)
Hole Box Mounted with
.50" ID (12.7) Nylon Bushing.



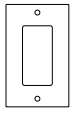
012
1-gang .635" ID (16.1) Hole Strap
Mtd. incl. Strap with .50" ID (12.7)
Nylon Bushing.



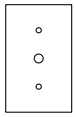
013
Blank Box Mounted.



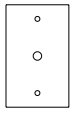
014
Blank Strap Mounted
incl. Strap.



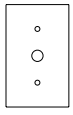
026
Rectangular Opening.



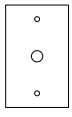
055
1-gang .375" ID (9.5) Hole
Strap Mounted incl. Strap.



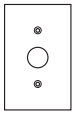
056
1-gang .375" ID (9.5) Hole
Box Mounted.



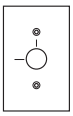
057
1-gang .50" ID (12.7) Hole
Strap Mounted incl. Strap.



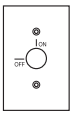
058
1-gang .50" ID
(12.7) Hole Box Mounted.



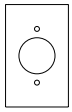
078
Barrel Key Switch.



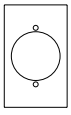
079
Barrel Key Switch with
hash marks.



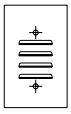
080
Barrel Key Switch with
On/Off and hash marks.



091
Single Receptacle.
1.60" ID
(40.5) Hole.



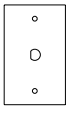
098
Single Receptacle.
2.16" ID
(54.7) Hole.



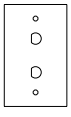
135
Vertical Mounted Louver.

149
Totally Blank
(no mounting holes).

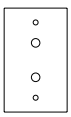
Coax/Twinax and Modular Jack Openings



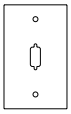
422
.51" (12.8) Dia.
"D" Box Mounted.
.44" (11.1) Flat Dia.
425
.51" (12.8) Dia.
"D" Box Mounted.
.47" (12) Flat Dia.
428
.58" (14.7) Dia.
"D" Box Mounted.
.55" (14) Flat Dia.
430
.76" (19.2) Dia.
"D" Box Mounted.
.73" (18.6) Flat Dia.



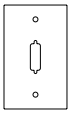
423
.51" (12.8) Dia.
"D" Box Mounted.
.44" (11.1) Flat Dia.
426
.51" (12.8)
"D" Box Mounted.
.47" (12) Flat Dia.
429
.58" (14.7) Dia.
"D" Box Mounted.
.55" (14) Flat Dia.
431
.76" (19.2) Dia.
"D" Box Mounted.
.73" (18.6) Flat Dia.



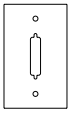
456
.375" (9.5) Dia.
Round Box Mounted.
458
.500" (12.7) Dia.
Round Box Mounted.
411
.635" (16.1) Dia.
Round Box Mounted.



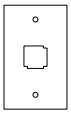
435
9-Pin Vertical Box Mounted.



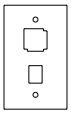
438
15-Pin Vertical Box Mounted.



295
25-Pin Vertical Box Mounted.

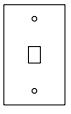


314
IBM® Type Opening Box
Mounted.

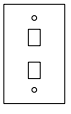


415
IBM® Type Opening with
One .586" x .762"
(14.9 x 19.3).

Voice/Data Opening



470
.542" x .750" (13.8 x 19.0)
Vertical Box Mounted.
473
.586" x .762" (14.9 x 19.4)
Vertical Box Mounted.
476
.586" x .815" (14.9 x 20.7)
Vertical Box Mounted.
479
.575" x .783" (14.6 x 19.9)
Vertical Box Mounted.



471
.542" x .750" (13.8 x 19.0)
Vertical Box Mounted.
474
.586" x .762" (14.9 x 19.4)
Vertical Box Mounted.
477
.586" x .815" (14.9 x 20.7)
Vertical Box Mounted.
480
.575" x .783" (14.6 x 19.9)
Vertical Box Mounted.

Note: For detailed dimensions of the above configurations, see pages N-34 to N-36. Available in smooth metal, standard size only up to and including 8-gang type.

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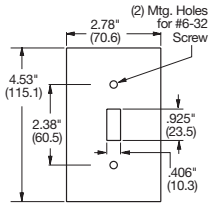
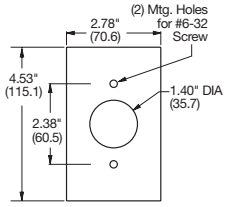


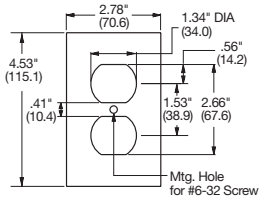
Configuration
001

Toggle Switch Plate.



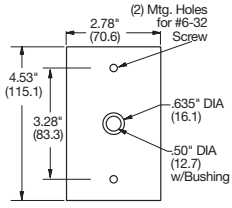
Configuration
007

Single 15 or 20A Straight Blade Receptacle.
15A Twist-Lock® Receptacle.



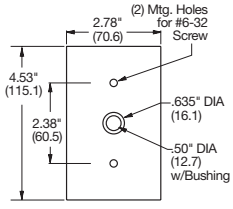
Configuration
008

Duplex Receptacle.



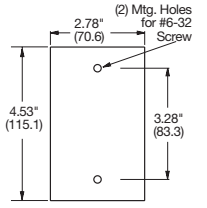
Configuration
011

Single, .635" (16.1)
Telephone (Box Mount).



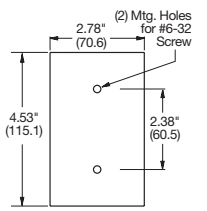
Configuration
012

Single, .635" (16.1)
Telephone (Strap Mount).



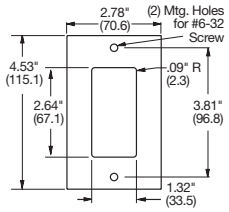
Configuration
013

Blank Plate (Box Mount).



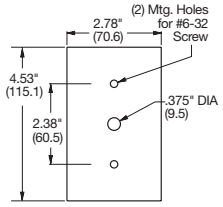
Configuration
014

Blank Plate (Strap Mount).



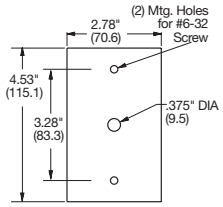
Configuration
026

GFI/Rectangular Opening.



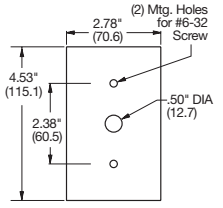
Configuration
055

Single, .375" (9.5)
Telephone (Strap Mount).



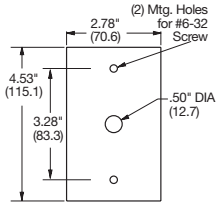
Configuration
056

Single, .375" (9.5)
Telephone (Box Mount).



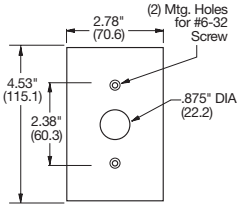
Configuration
057

Single, .50" (12.7)
Telephone (Strap Mount).



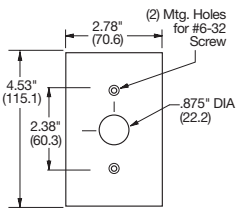
Configuration
058

Single, .50" (12.7)
Telephone (Box Mount).



Configuration
078

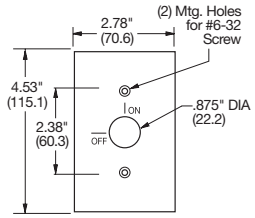
Barrel Key Switch.



Configuration
079

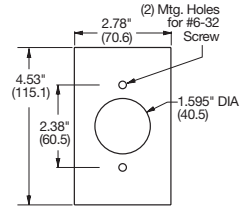
Barrel Key Switch
with hash marks.

Note: Specifications are subject to change without notice.



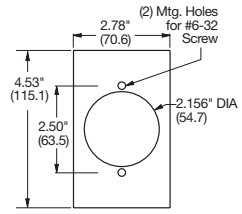
Configuration
080

Barrel Key Switch with On/Off and hash marks.



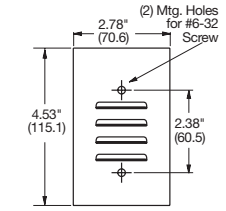
Configuration
091

Single 20 or 30A Twist-Lock® Receptacle.



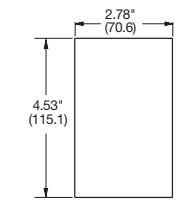
Configuration
098

Single Receptacle, 30 or 50A Straight Blade, 3 Wire Power Outlet.



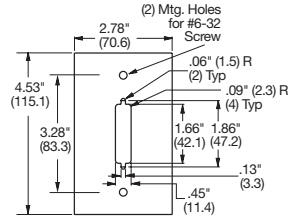
Configuration
135

Louvered Plate (Strap Mount).



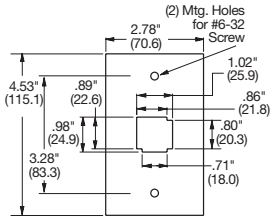
Configuration
149

Totally Blank Plate.



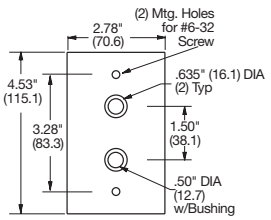
Configuration
295

RS232 Port Single 25-Pin (Box Mount).



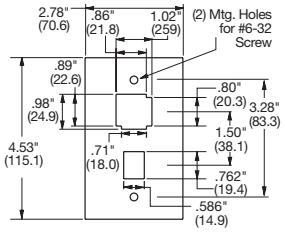
Configuration
314

IBM® Type (Box Mount).



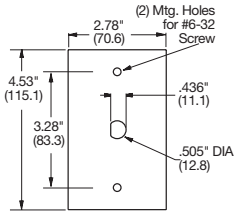
Configuration
411

Dual .635" (16.1) Holes (Box Mount).



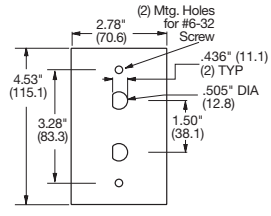
Configuration
415

IBM® Type and Modular Jack (Box Mount).



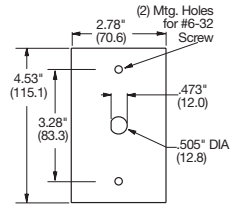
Configuration
422

Single .505" (12.8) D-Hole (Box Mount).



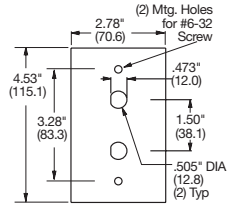
Configuration
423

Dual .505" (12.8) D-Holes (Box Mount).



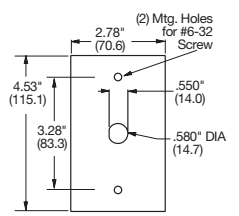
Configuration
425

Single .505" (12.8) D-Hole (Box Mount).



Configuration
426

Dual .505" (12.8) D-Holes (Box Mount).

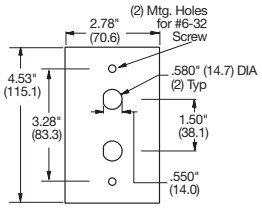


Configuration
428

Single .580" (14.7) D-Hole (Box Mount).

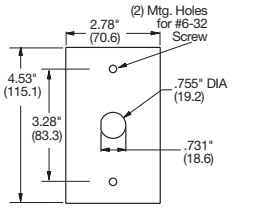
Note: Specifications are subject to change without notice.

IBM® is a registered trademark of International Business Machines Corporation.



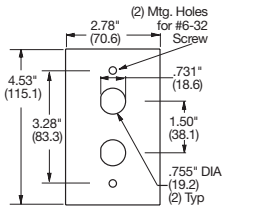
Configuration
429

Dual .580" (14.7) D-Holes (Box Mount).



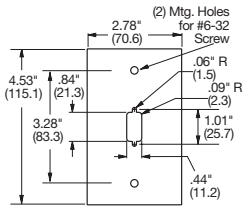
Configuration
430

Single .755" (19.2) D-Hole (Box Mount).



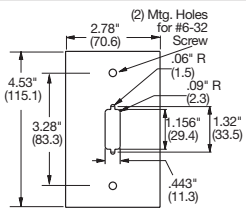
Configuration
431

Dual .755" (19.2) D-Holes (Box Mount).



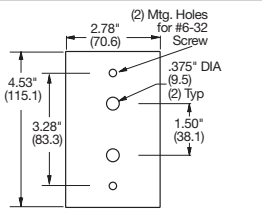
Configuration
435

Single 9-Pin RS232 (Box Mount).



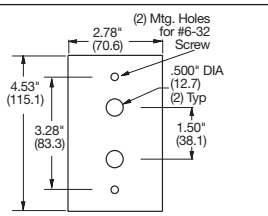
Configuration
438

Single 15-Pin RS232 (Box Mount).



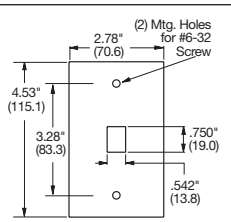
Configuration
456

Dual .375" (9.5) Round (Box Mount).



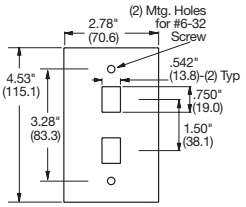
Configuration
458

Dual .50" (12.7) Round (Box Mount).



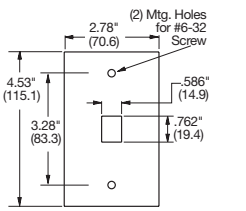
Configuration
470

Single Modular Jack (Box Mount).



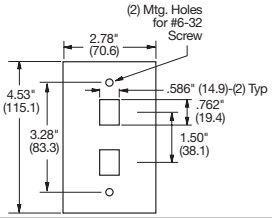
Configuration
471

Dual Modular Jack (Box Mount).



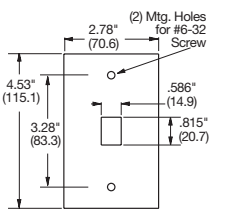
Configuration
473

Single Modular Jack (Box Mount).



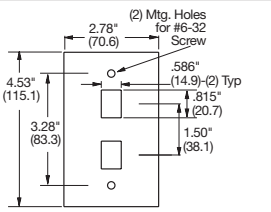
Configuration
474

Dual Modular Jack (Box Mount).



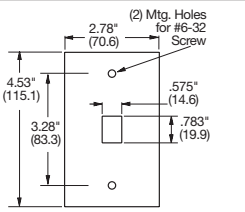
Configuration
476

Dual Modular Jack (Box Mount).



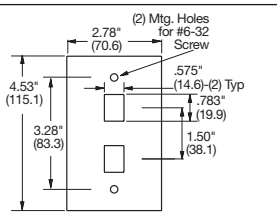
Configuration
477

Dual Modular Jack (Box Mount).



Configuration
479

Single Modular Jack (Box Mount).



Configuration
480

Dual Modular Jack (Box Mount).

Note: Specifications are subject to change without notice.

Floor Boxes

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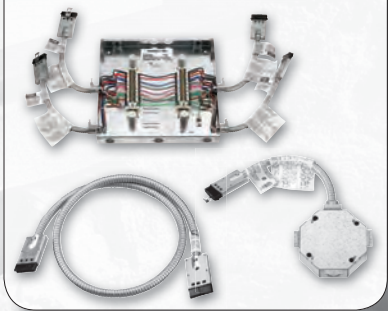
Hubbell SystemOne Floor Boxes

Recessed Multi-Service Concrete Floor Boxes

CONNEXION Zone Distribution System



Furniture and Work Surface Boxes

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

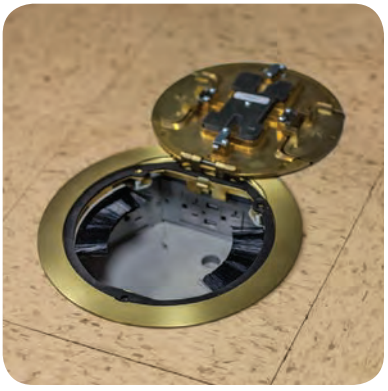
Hubbell SystemOne Floor Box Applications…

Multi-Service Applications
This Hubbell SystemOne sub-plate incorporates a standard Style Line® decorator opening, which can be used for an active multimedia device. In addition, a 20A outlet is supplied for power and two keystone openings for voice/data services.

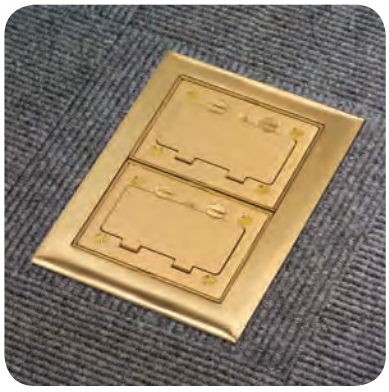
Multimedia Applications
Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio/video market. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, HDMI and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules, as well as FSR IPS plates.

4X4 Applications
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual- circuit, as well as isolated ground applications.

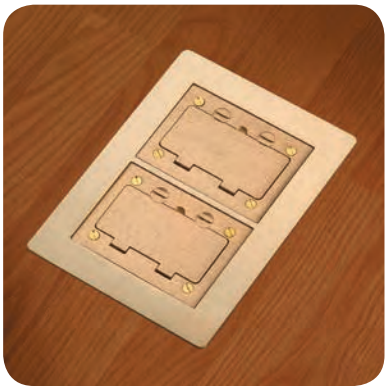
Traditional Floor Boxes…



Recessed Applications
For applications where recessed connections are desired, Hubbell has a complete line of recessed stamped steel and cast iron floor boxes, from two to eleven gangs. A variety of modular face plates are available to meet a wide array of power, data, voice and audio/video requirements. Carpet and tile cover assemblies are offered in a variety of finishes and styles.



Flush Applications
Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrub water exclusion requirements.



Wooden Floor Applications
Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and three-gang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.

Extron® is a registered trademark of Extron Electronics.

The Hubbell SystemOne Floor Box Family

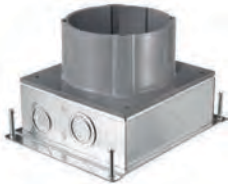
ScrubShield® Complies with UL514A & C

Cast Iron

S1CFB

- Corrosion resistant for on-grade applications
- Oversized 1½" NPT threaded conduit access holes for low voltage
- 1" NPT threaded conduit access holes for power

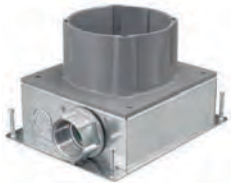
Steel



S1SFB

- Stamped steel construction
- Economical and light weight for above-grade applications
- Concentric knockouts permit various conduit sizes for both power and data services

Steel AV



S1SFBAV

- Accommodates high-capacity multimedia applications in a 3½" minimum depth of pour
- Oversized 1½" NPT threaded data hub
- ¾", 1" concentric knockouts for power services

Features

- Easily installed, aesthetic and configurable floor box solution, for open floor plans that require both power and data services
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- The Hubbell SystemOne Universal Cover features ScrubShield® technology that exceeds UL514 scrub water exclusion requirements
- Convenient cubic inch capacity (cm3) markings on interior of box
- Leveling feet provide before pour adjustability
- Non-metallic riser allows a simple saw cut for adjustment after pour
- Supplied with concrete cover and closure plugs (where applicable)
- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne sub-plates
- Hubbell SystemOne Metal Floor Boxes are approved for use in the City of Chicago

Non-Metallic

S1PFB

- Non-corrosive plastic construction
- Oversized 1½" data conduit hub for increased cable capacity and bend radius
- Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull

Features

- Economical, easy to install, in-floor delivery system for open plan spaces
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- Concrete cover, conduit reducers and conduit hub plugs included

Hubbell SystemOne Universal Covers

ScrubShield®
Complies with UL514A & C

Universal Flange and Cover Assembly

- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Finishes and colors available:

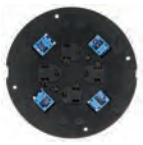
Aluminum Finish | Brass Finish | Black | Gray | Ivory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514 scrub water exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design, section 4.3.8

Hubbell SystemOne Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes.
See page O-7 for additional Information.



4x4 Sub-Plate

Datacom and Power Sub-Plate

Extron® AAP/MAAP and Power Sub-Plate

Dual Style Line® Decorator Sub-Plate

Twist-Lock® Sub-Plate

Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

Power Devices and Connectivity

Hubbell-PRO Receptacles

Hubbell iSTATION

Hubbell X-END

Features

- Choose from Hubbell's industry leading selection of wiring devices for power services
- Hubbell iSTATION connectivity modules integrate with SystemOne to provide comprehensive multi-media solutions
- Hubbell X-END application cables and tails allow for more connectivity in a smaller footprint

Extron® is a registered trademark of Extron Electronics.

Hubbell SystemOne Configuration Chart

ScrubShield® Complies with UL514A & C

Sub-Plates			Floor Boxes* Non-Metallic S1PFB	Floor Boxes* Metal S1CFB	Floor Boxes* Metal S1SFB	Floor Boxes* Metal S1SFBAV	4" Core Hole Fire-Rated Poke-Throughs S1PTFIT	4" Core Hole Fire-Rated Poke-Throughs S1PT4X4FIT	4" Core Hole Fire-Rated Poke-Throughs S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	✓+	✗	✓
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	✓+	✗	✓
S1SPDUSL	Duplex/Style Line® Decorator		3	3.5	3.5	3.5	✓+	✗	✓
S1SP4X4 **S1SP4X4PA** **S1SP4X4SYS**	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		4	4	4	4	✗	✓+	✗
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator		5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (Replace "x" with BRS (brass finish), AL (aluminum finish), BL (black) or GY (gray).		3	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1	Extron® or FSR + Power		4	4	4	4	✓	✗	✓+
S1SPEXT2	Extron® or FSR + Power		4	4	4	4	✓	✗	✓+
S1SPEXT3	Extron® or FSR Single-Service		4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4	Extron® or FSR + Power		4	4	4	4	✓	✗	✓+
S1SPORT	Ortronics Series II® + Power		5	5	5	5	✓	✗	✓+
S1SPTRAC	Ortronics TracJack® + Power		5	5	5	5	✓	✗	✓+
S1SPMAX	Siemon MAX® + Power		5	5	5	5	✓	✗	✓+
S1SPAMM20	Active Multimedia + Flush Keystone + Power		5	5	5	5	✓	✗	✓+
S1CFCxx SystemOne Carpet Cover **S1TFCxx** SystemOne Tile Cover	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "x" with BRS (brass finish), AL (aluminum finish), BL (black), GY (gray) or I (ivory).	 	Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.				✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible

*Note: *Fire-Rated Poke-Throughs available with integral power junction box. Add "J" suffix to catalog numbers listed above (Example: **S1PTFITJ**). See section P for additional Information.*

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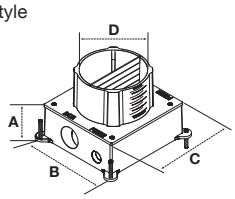
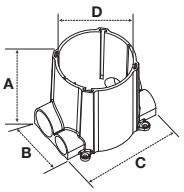
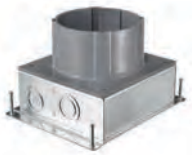
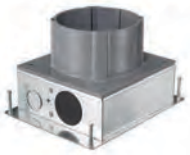
Hubbell SystemOne Metal and Non-Metallic Concrete Floor Boxes

ScrubShield® Complies with UL514A & C

Dimensions Inches (mm)

Style		Cast Iron	Steel	Steel AV	Non-Metallic
					
Metal	Non-Metallic	**S1CFB***	**S1SFB***	**S1SFBAV***	**S1PFB**
Min. Depth of Pour		3.50" (88.9)	3.50" (88.9)	3.50" (88.9)	3.00" (76.2)
Adjustability		Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity		156.0 cu. in. (2556.4 cm3)	175.7 cu. in. (2879.2 cm3)	177.5 cu. in. (2909.7 cm3)	100 cu. in. (1638.7 cm3)
Dimensions – A		3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	6.00" (152.4)
Dimensions – B		7.26" (184.4)	7.50" (190.5)	7.50" (190.5)	5.58" (141.7)
Dimensions – C		7.45" (189.2)	7.38" (187.4)	7.38" (187.4)	7.08" (179.8)
Dimensions – D (Inside Diameter)		5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Power Entries		1" NPT Access Holes	¾", 1" Concentric KO	¾", 1" Concentric KO	1" Conduit Hub
Data Entries		1½" NPT Access Holes	¾", 1", 1¼" Concentric KO	1½" Threaded Hub (included)	1½" Conduit Hub
Concrete Cover Included		✓	✓	✓	✓
Closure Plugs Included		✓	–	✓	✓
Reducers		–	–	–	(see below)
Accepts Hubbell SystemOne Universal Cover		✓	✓	✓	✓
Cover Mounting Clips Included		✓	✓	✓	✓
Non-Metallic Low Voltage Divider Included (S1DIV1)		✓	✓	✓	✓

Note: UL File Number E92074.
CSA File Number LR18416.
**S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.*

***S1PFB** reducers included: Qty (2) combo plug/reducers 1" to ¾"*
Qty (2) reducers 1½" to 1"
Qty (2) reducers 1½" to ¾"
Qty (2) plugs 1½"

Hubbell SystemOne Universal Covers

- Cast aluminum construction
- Durable powder coat finish

Color	Carpet	Tile
Aluminum Finish	**S1CFCAL**	**S1TFCAL**
Brass Finish	**S1CFCBRS**	**S1TFCBRS**
Black	**S1CFCBL**	**S1TFCBL**
Gray	**S1CFCGY**	**S1TFCGY**
Ivory	**S1CFCI**	**S1TFCI**

Aluminum Finish | Brass Finish | Black | Gray | Ivory

Floor Box Accessories

Description	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.	
Black Gray	**S1AP4BL** **S1AP4GY**
Replacement Side by Side Divider Used to isolate compartments in **S1SP, S1SPFFx, S1SPFFTx, S1SPDU, S1SPDUSL, S1SPDU2IM** and **S1SPSL2IM** sub-plates. Included with all SystemOne Floor Boxes.	 **S1DIV1**
1½" Threaded Hub For use with **S1SFBAV** ONLY. Permits feed-through applications. **S1SFBAV** floor box includes one (1) threaded hub.	 **S1AVHUB15**
Replacement Universal Cover Mounting Clips Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (**S1CFB, S1SFB, S1SFBAV, S1PFB**). Includes clips and ground leads for (5) floor boxes. All SystemOne Floor Boxes include mounting clips.	 **S1FBCLIP5PK**

Dimensions in Inches (mm)

Hubbell SystemOne Sub-Plates

ScrubShield® Complies with UL514A & C

Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications. 3 Non-Metallic 3.5 Metal	 **S1SP**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. 4 Provided with 15 ft. wire leads Provided with 30 ft. wire leads	 **S1SP4X4** **S1SP4X415** **S1SP4X430**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors. 4	 **S1SPTL**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. 5	 **S1SPSL2IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates. 4	 **S1SPEXT1**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone and recessed opening for (2) single Extron® AAP Series adapter plates. 4	 **S1SPEXT4**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity. 4	 **S1SP4X4PA**

Description	Catalog Number
Duplex/Duplex (2) Duplex openings for power and/or datacom applications. 3 Non-Metallic 3.5 Metal	 **S1SPDU**
Carpet Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange. 3 Non-Metallic, 3.5 Metal — Aluminum Fin., Brass Finish, Black, Gray	 **S1SPFFAL** **S1SPFFBRS** **S1SPFFBL** **S1SPFFGY**
Hubbell DataCom + Power (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. 5	 **S1SP3IM**
Hubbell DataCom 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. 3.5	 **S1SP4IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. 4	 **S1SPEXT2**
Ortronics Series II® + Power (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules. 5	 **S1SPORT**
SYSTIMAX® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity. 4	 **S1SP4X4SYS**

Description	Catalog Number
Duplex/Style Line® Decorator (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications. 3 Non-Metallic 3.5 Metal	 **S1SPDUSL**
Tile Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange. 3 Non-Metallic, 3.5 Metal — Aluminum Fin., Brass Finish, Black, Gray	 **S1SPFFTAL** **S1SPFFTBRS** **S1SPFFTBL** **S1SPFFTGY**
Hubbell DataCom + Duplex (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. 5	 **S1SPDU2IM**
Active Multimedia + Power Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames. 5	 **S1SPAMM20**
Extron® or FSR Single-Service Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. 4.5	 **S1SPEXT3**
Ortronics TracJack® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. 5	 **S1SPTRAC**
Siemon MAX® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. 5	 **S1SPMAX**

Signifies minimum depth of concrete pour in inches for Metal Floor Boxes (**S1CFB**, **S1SFB** and **S1SFBAV**) and Non-Metallic Floor Box (**S1PFB**).

*Note: *Furnished with two screw-in flexible metal conduit connectors.*
See section W for datacom accessories.

Sub-Plate Accessories

Replacement Threaded Conduit Plugs
Used with **S1SPFFx** and **S1SPFFTx** ONLY.
Sub-plate is supplied with plugs.

Color	1½" Plug	¾" Plug
Aluminum Finish	**S1FP15AL**	**S1FP34AL**
Brass Finish	**S1FP15BRS**	**S1FP34BRS**
Black	**S1FP15BL**	**S1FP34BL**
Gray	**S1FP15GY**	**S1FP34GY**

Description		Catalog Number
6-Port Replacement Data Frames Used with open systems sub-plates. Sub-plate is supplied with data frame. Siemon MAX® for use with **S1SPMAX** sub-plate.		**S1DFMAX**
Ortronics TracJack® for use with **S1SPTRAC** sub-plate.		**S1DFTRAC**
Black Style Line® decorator blank frame.		**2100BK**

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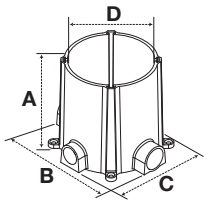
Flush Round Single or Multi-Service Non-Metallic Concrete Floor Box

ScrubShield® Complies with UL514A & C

Dimensions Inches (mm)



PFB1

Min. Depth of Pour	3.00" (76.2)
Capacity	100 cubic inches prior to cutting level to floor (19.5 cubic inches per inch of depth).
Dimensions – A	6.00" (152.4)
Dimensions – B	7.08" (179.8)
Dimensions – C	6.69" (169.9)
Dimensions – D	5.38" (136.5)
Hubs	(2) 1.0" and (2) ¾" conduit hubs
Concrete Cover Included	✓
Closure/Reducer Plugs	(2) 1" plugs close off 1" hubs or reduce 1" to ¾" (2) ¾" plugs close off ¾" hubs or reduce ¾" to ½"

Note: UL File Number E92074. CSA File Number LR18416.

Description	Catalog Number
Adapter Required for all applications.	 **PFBA1A**
Low Voltage Divider Required for use with catalog number **PFB1** when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series).	 **PFBT1A**
"Y" Adapter ¾ in. "Y" adapter to feed parallel runs of ¾ in. conduit.	 **PFBYA1**

Flush Round Covers and Flanges

Multi-Service Cover and Flange Assemblies
Includes floor box cover with duplex flaps, (2) ½ in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter

SF39253A
Brass

PFBCBRA
Brown Non-Metallic

PFBCBLA
Black Non-Metallic

PFBCGYA
Gray Non-Metallic

PFBCIA
Ivory Non-Metallic

Single Service Covers

Brass
Aluminum
3.88 in. Dia.

S3925
SA3925
Duplex Flap

S3725
SA3725
Duplex Screw

S2525
SA2525
2⅛" x ¾" Combination

S2725
SA2725
2⅛" x 1" Combination

S2925
SA2925
2⅛" Single Receptacle

S3525
—
2⅜" Single Receptacle

S3325
—
2⅛" Single Receptacle (Terrazzo Floor)

Metal Carpet Flange

Use with single service covers for carpet applications.
6.25 in. Diameter

S3082
Brass

SA3082
Brushed Aluminum

Adapter Ring

Use with single service covers for tile applications.

S5016
Brass

SA5016
Aluminum

Furniture Feed Plate

Unpainted plate with 1 in. threaded opening.

PFBP1
Steel

One Piece Brass Cover and Carpet Flange

6.25 in. Dia.

Note: Adapter ring S5016 is required for mounting SF series covers onto PFBA1A.

SF3925
Duplex Flap

SF2525
2⅛" x ¾" Combination

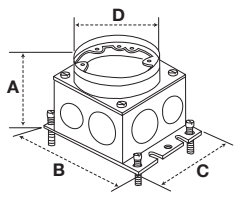
SF2725
2⅛" x 1" Combination

SF2925
2⅛" Single Receptacle

Flush Round Single Service Metal Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

Style	Cast Iron				Stamped Steel	
						
Collar Material: Brass Aluminum	**B2536 B253641** **BA2536 –**	**B2503** **–**	**B2506 B2506415** **– –**	**B2537** **BA2537**	**B2527** **BA2527**	**B2529** **BA2529**
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	4.75" (120.7)	3.00" (76.2)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	–	– –	–	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.38" (9.5)	.63" (15.9)	.63" (15.9)	.38" (9.5)	.38" (9.5)	.38" (9.5)
Cubic Inch (cm3) Capacity	33.0 cu. in. (540.7 cm3)	36.0 cu. in. (590.0 cm3)	50.8 cu. in. (832.5 cm3)	30.0 cu. in. (491.6 cm3)	54.0 cu. in. (884.9 cm3)	37.3 cu. in. (611.2 cm3)
Dimensions – A	3.05" (77.5)	3.75" (95.3)	4.75" (120.7)	2.87" (72.9)	3.88" (98.6)	2.91" (73.9)
Dimensions – B	4.84" (122.9)	5.00" (127.0)	5.00" (127.0)	4.84" (122.9)	6.00" (152.4)	6.00" (152.4)
Dimensions – C	4.84" (122.9)	4.63" (117.6)	4.66" (118.4)	4.84" (122.9)	4.81" (122.2)	4.81" (122.2)
Dimensions – D	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)	4.19" (106.4)
Threaded Access Holes	(4) ¾" (4) 1"	(4) ¾"	(4) 1¼" (4) 1½"	(4) ¾"	–	–
Knockouts – Sides	– –	–	– –	–	(1) 1" & (1) ¾"	(2) ½" & (1) ¾"
Knockouts – Ends	– –	–	– –	–	(1) 1¼" & (1) ½"	(1) ½" & (1) ¾"
Knockouts – Bottom	– –	–	– –	–	(3) ½" & (2) ¾"	(3) ½" & (2) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	–	–

Note: UL File Number E31999.
CSA File Number LR18416.
Suitable for single service applications only.

Single Service Covers

Brass
Aluminum
3.88 in. Dia.

S3925 **SA3925**	**S3725** **SA3725**	**S2525** **SA2525**	**S2725** **SA2725**	**S2925** **SA2925**	**S3525** **—**	**S3325** **—**
Duplex Flap	Duplex Screw	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Receptacle (Terrazzo Floor)

Carpet Flanges

5.25 in. Dia.

S3182	**SA3182**	**S3079**
Brass	Brushed Aluminum	Clear Polycarbonate

6.25 in. Dia.

S3082	**SA3082**
Brass	Brushed Aluminum

One Piece Brass Cover and Carpet Flange

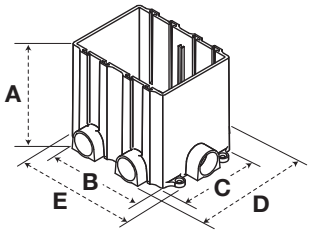
6.25 in. Dia.

SF3925	**SF2525**	**SF2725**	**SF2925**
Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

Flush Rectangular Non-Metallic Concrete Floor Boxes with Non-Metallic Covers

ScrubShield® Complies with UL514A & C

Dimensions Inches (mm)

Style	1-Gang	2-Gang	3-Gang
	**PFBRG1***	**PFBRG2**	**PFBRG3**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm3) Capacity Per Gang	14.3 cu. in. (234.3 cm3) per 1" depth	14.3 cu. in. (234.3 cm3) per 1" depth	14.3 cu. in. (234.3 cm3) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.82" (173.2)	10.04" (255.0)
Dimensions – C	5.42" (137.7)	5.42" (137.7)	5.42" (137.7)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.44" (138.2)	8.66" (220.0)	11.87" (301.5)
Hubs	(4) 1¼"	(6) 1¼"	(8) 1¼"
Reducers	(4) 1" to ¾" and (4) 1¼" to 1"	(6) 1" to ¾" and (6) 1¼" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Removable LV Barrier	–	✓	✓

Note: UL File Number E92074.
**Suitable for single service applications only.*

Flush Rectangular Non-Metallic Covers and Flanges

Required Components for Carpet Applications

Carpet Flanges				Cover with Duplex and Style Line® decorator inserts included
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"
Black	**PFBRFBL1**	**PFBRFBL2**	**PFBRFBL3**	**PFBR826BLA**
Brown	**PFBRFBR1**	**PFBRFBR2**	**PFBRFBR3**	**PFBR826BRA**
Gray	**PFBRFGY1**	**PFBRFGY2**	**PFBRFGY3**	**PFBR826GYA**
Ivory	**PFBRFI1**	**PFBRFI2**	**PFBRFI3**	**PFBR826IA**

Cover

Duplex Insert

Style Line® Decorator Insert

Required Components for Tile Applications

Mounting Collar	Cover Frame	Cover with Duplex and Style Line® decorator inserts included
One Required per Gang	One Required per Gang Dim. 4.47" x 3.25"	One Required per Gang 4.15" x 2.97"
PFBRMC	**PFBRFRA**	**PFBR826GYA**

Cover

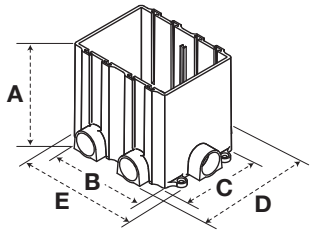
Duplex Insert

Style Line® Decorator Insert

Flush Rectangular Non-Metallic Concrete Floor Boxes with Metal Covers

ScrubShield® Complies with UL514A & C

Dimensions Inches (mm)

Style	1-Gang	2-Gang	3-Gang
	**PFBRG1***	**PFBRG2**	**PFBRG3**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm3) Capacity Per Gang	14.3 cu. in. (234.3 cm3) per 1" depth	14.3 cu. in. (234.3 cm3) per 1" depth	14.3 cu. in. (234.3 cm3) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.82" (173.2)	10.04" (255.0)
Dimensions – C	5.42" (137.7)	5.42" (137.7)	5.42" (137.7)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.44" (138.2)	8.66" (220.0)	11.87" (301.5)
Hubs	(4) 1¼"	(6) 1¼"	(8) 1¼"
Reducers	(4) 1" to ¾" and (4) 1¼" to 1"	(6) 1" to ¾" and (6) 1¼" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Removable LV Barrier	–	✓	✓

Note: UL File Number E92074.
**Suitable for single service applications only.*

Flush Rectangular Metal Covers and Flanges

Required Components for Carpet and Tile Applications

Adapter Collar
(One required per gang)

Gray **PFBRAC**

Adapter Frame with Grounding Lug (One required per gang) Dim. 4.36" x 3.20"

Brass **S5017G**
Aluminum **SA5017G**

Flush Rectangular Metal Covers and Flanges

Required Components for Carpet and Tile Applications

Adapter Collar
(One required per gang)

Gray **PFBRAC**

Carpet Flanges (Not Required for Tile Applications)

Tapered Flange

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass	**SB3083**	**SB3084**	**SB3085**
Aluminum	**SA3083**	**SA3084**	**SA3085**

Rectangular Flanges (Required)

1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
SB3083W	**SB3084W**	**SB3085W**
SA3083W	**SA3084W**	**SA3085W**

Covers – One Required per Gang

Brass	**S3825**	**S3625**	**S3826**	**S2425**	**S2625**	**S2825**	**S3813**
Aluminum	**SA3825**	**SA3625**	**SA3826**	**SA2425**	**SA2625**	**—**	**SA3813**
Dimensions 4.15" x 2.99"	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Flush Rectangular Cast Iron Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

Style	Cast Iron						
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow		2-Gang Shallow	3-Gang Shallow
Collar Material: Brass / Aluminum	**B2436* B243641* BA2436* –**	**B4233 B423341 BA4233 –**	**B4333 B433361 BA4333 –**	**B2437* –**	**B2414* BA2414***	**B4214 BA4214**	**B4314 –**
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	3.00" (76.2)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability	Fully	Fully	Fully	Fully	Semi	Semi	Semi
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.38" (9.5)	.63" (15.9)	.63" (15.9)	.38" (9.5)	–	–	–
Cubic Inch (cm3) Capacity Per Gang	33.0 cu. in. (540.7 cm^3)	36.5 cu. in. (598.1 cm^3)	34.8 cu. in. (570.3 cm^3)	30.0 cu. in. (491.7 cm^3)	16.0 cu. in. (262.2 cm^3)	16.0 cu. in. (262.2 cm^3)	16.0 cu. in. (262.2 cm^3)
Dimensions – A	3.20" (81.3)	3.38" (85.9)	3.38" (85.9)	2.90" (73.7)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Dimensions – B	4.69" (119.1)	4.84" (122.9)	4.90" (122.5)	4.69" (119.1)	5.46" (138.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C	4.69" (119.1)	8.06" (204.7)	11.41" (289.8)	4.69" (119.1)	4.19" (106.4)	7.49" (190.2)	10.7" (271.8)
Dimensions – D	4.36" (110.7)	4.36" (110.7)	4.36" (110.7)	4.36" (110.8)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)
Dimensions – E	3.19" (81.0)	6.42" (163.1)	9.64" (244.9)	3.20" (81.3)	3.19" (81.0)	6.38" (162.1)	9.56" (242.8)
Threaded Access Holes	(4) ¾" (4) 1"	(6) ¾" (4) 1" & (2) ¾"	(8) ¾" (6) 1" & (2) ¾"	(4) ¾"	(2) ¾"	(4) ¾"	(6) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	✓	✓	✓
Removable LV Barrier	–	✓	✓	–	–	–	–

Note: UL File Number E92074.
CSA File Number LR18416.
**Suitable for single service applications only.*

Carpet Flanges

Tapered Flange

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"		2-Gang 6.00" x 8.13"		3-Gang 6.00" x 11.34"	
Brass Aluminum Clear Polycarbonate	**SB3083** **SA3083** **S3083**		**SB3084** **SA3084** **S3084**		**SB3085** **SA3085** **S3085**	

Covers – One Required per Gang

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** **—**	**S3813** **SA3813**
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Dimensions in Inches (mm)

Flush Rectangular Stamped Steel Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

Style	Stamped Steel							
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow	1-Gang Deep	1-Gang Shallow
Collar Material: Brass Aluminum	**B2431* BA2431***	**B2432 BA2432**	**B2433 BA2433**	**B2421* BA2421***	**B2422 BA2422**	**B2423 BA2423**	**B2427* –**	**B2429* –**
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.38" (9.5)	.38" (9.5)
Cubic Inch (cm3) Capacity Per Gang	60.0 cu. in. (983.2 cm3)	52.8 cu. in. (865.2 cm3)	50.8 cu. in. (832.5 cm3)	39.5 cu. in. (647.3 cm3)	35.0 cu. in. (573.5 cm3)	34.0 cu. in. (557.2 cm3)	54.0 cu. in. (884.9 cm3)	37.3 cu. in. (611.2 cm3)
Dimensions – A	3.72" (94.5)	3.72" (94.5)	3.72" (94.5)	2.74" (69.6)	2.74" (69.6)	2.74" (69.6)	3.90" (99.1)	2.81" (71.4)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	6.00" (152.4)
Dimensions – D	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.3)	4.38" (111.2)	4.38" (111.2)
Dimensions – E	3.19" (81.0)	6.44" (163.6)	9.67" (245.6)	3.19" (81.0)	6.44" (163.6)	9.67" (245.6)	3.19" (81.0)	3.19" (81.0)
Knockouts – Sides	(1) ¾",1",1¼"	(2) ¾",1",1¼"	(3) ¾",1",1¼"	(2) ½",(1) ¾"	(4) ½",(1) ¾"	(6) ½",(1) ¾"	(1) ½",(1) 1¼"	(2) ½",(1) ¾"
Knockouts – Ends	(1) ¾",1",1¼"	(1) ¾",1",1¼"	(1) ¾",1",1¼"	(1) ½",(1) ¾"	(2) ½",(1) ¾"	(2) ½",(1) ¾"	(1) ¾",(1) 1"	(1) ½",(1) ¾"
Knockouts – Bottom	(2) ¾",1",1¼"	(4) ¾",1",1¼"	(6) ¾",1",1¼"	(2) ¾",1",1¼"	(4) ¾",1",1¼"	(6) ¾",1",1¼"	(3) ½",(2) ¾"	(3) ½",(2) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓	✓	✓
Closure Plugs Included	–	–	–	–	–	–	–	–
Removable LV Barrier	–	✓	✓	–	✓	✓	–	–

Note: UL File Number E92074.
CSA File Number LR18416.
**Suitable for single service applications only.*

Carpet Flanges

Tapered Flange

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass	**SB3083**	**SB3084**	**SB3085**
Aluminum	**SA3083**	**SA3084**	**SA3085**
Clear Polycarbonate	**S3083**	**S3084**	**S3085**

Covers – One Required per Gang

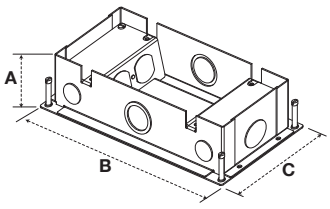
Brass	**S3825**	**S3625**	**S3826**	**S2425**	**S2625**	**S2825**	**S3813**
Aluminum	**SA3825**	**SA3625**	**SA3826**	**SA2425**	**SA2625**	**—**	**SA3813**
Dimensions 4.15" x 2.99"							
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

Dimensions in Inches (mm)

Recessed 2-Gang Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

Style	Stamped Steel	Cast Iron
	2-Gang **3SFBSS**	2-Gang **3SFBC**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)
Adjustability	Before pour	Before pour
Cubic Inch (cm3) Capacity Per Chamber	22.4 cu. in. (367.1 cm3)	21.6 cu. in. (354.0 cm3)
Dimensions – A	2.88" (73.2)	3.00" (76.2)
Dimensions – B	12.20" (309.9)	12.88" (327.2)
Dimensions – C	5.52" (140.2)	6.00" (152.4)
Threaded Access Holes	–	Sides (2) ¾" Ends (1) 1¼" Center Area (1) 1¼" (each side)
Knockouts	Sides (2) ¾" Ends (1) 1" Center Area (1) Concentric 1", 1¼" (each side)	–
Concrete Cover Included	✓	✓
Closure Plugs Included	–	✓
Face Plates Included	(1) 3SFBRP and (1) 3SFBTP	(1) 3SFBRP and (1) 3SFBTP

Note: UL File Number E31999.
CSA File Number LR18416.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

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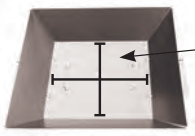


Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

Floor Box Covers with Carpet Recess

Reinforced Non-Metallic Cover
Dimensions
11.88" x 5.20"

3SFBCBRA	3SFBCBKA	3SFBCGYA	3SFBCIA
Brown	Black	Gray	Ivory

Face Plates

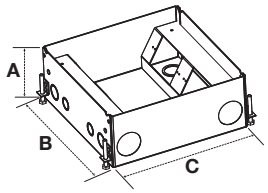
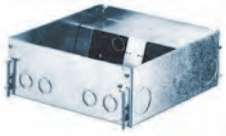
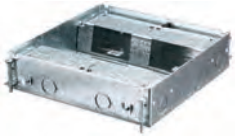
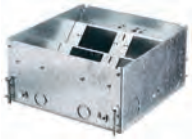
3SFBRP	3SFBDS	3SFBS	3SFBB	3SFBTP	3SFBIM
Duplex Knockout	Style Line® Decorator Opening	Single Receptacle Opening (1.39" boss dia.)	Blank	Voice/Data (2) Jack Knockouts (.6" x .75")	3-Unit iSTATION Opening (See Network Wiring section for module options)

Dimensions in Inches (mm)

Recessed 4- and 8-Gang Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

Style	Stamped Steel			Cast Iron
	4-Gang Deep	4-Gang Shallow	8-Gang Deep	4-Gang Shallow
				
	HBLCFB301BASE	**HBLCFB401BASE**	**HBLCFB501BASE**	**HBLCFB401CB**
Min. Depth of Pour	4.25" (107.6)	3.00" (76.2)	5.25" (133.4)	3.25" (82.6)
Adjustability	Before pour	Before pour	Before pour	Before pour
Cubic Inch (cm3) Capacity Per Chamber	29.5 cu. in. (483.4 cm3)	25.5 cu. in. (417.9 cm3)	49.5 cu. in. (811.2 cm3)	25.5 cu. in. (417.9 cm3)
Dimensions – A	4.0" (101.6)	2.63" (66.8)	5.13" (130.3)	3.13" (79.5)
Dimensions – B	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)
Dimensions – C	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)	10.0" (254.0)
Threaded Access Holes – Per Chamber	–	–	–	(2) 1"
Knockouts – Per Chamber	(1) Concentric ½", ¾" (1) Concentric ¾", 1" (1) 1¼"	(3) Concentric ½", ¾"	(1) Concentric ½", ¾" (1) Concentric ¾", 1" (1) 1¼"	–
Concrete Cover Included	✓	✓	✓	✓
Closure Plugs Included	–	–	–	✓

Note: UL File Number E197203.
CSA File Number LR702145.

Floor Box Covers with Carpet Recess

Die Cast Metal Cover and Flange Assembly
Dimensions 10.69" x 10.69"

HBLTCGNTSW

Granite

HBLTCGNTBKSW

Black

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

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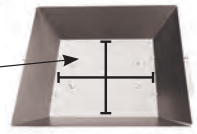
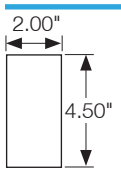
Pour Pan Dimensions:
15.75 in. sq.
4 in. depth



Hubbell – Screw Type Face Plates*



Typical

HBLST302SGY

Duplex

HBLDE301SGY

Style Line® Decorator

HBLTO310SGY

Toggle

HBLTL318SGY

Single Receptacle (1.56" Boss Dia.)

HBLTL319SGY

Single Receptacle (1.39" Boss Dia.)

HBLBL300SGY

Blank

HBLIMFSGY

3-Unit Hubbell iSTATION (See Network Wiring section for module options)

HBL317SGY

Hubbell 6-Port

Open Systems – Screw Type Face Plates*

HBLAM303SGY

AMP-ACO

HBLAMP313SGY

AMP 6-Port

HBLKR314SGY

Krone®/Leviton®

HBLLT309SGY

SYSTIMAX®

HBLPA308SGY

Panduit Mini-Com®

HBLN0309SGY

NORDX® 6-Port (Cat. 5e jacks only)

HBLSI305SGY

Siemon CT® Series

HBLSI315SGY

Siemon MAX® Series

HBLOR306SGY

Ortronics Series II®

HBLORT322SGY

Ortronics TracJack®

*Note: *Catalog numbers indicated are gray, replace "**GY**" with the following to designate color: "**BK**" for Black, "**I**" for Ivory and "**WA**" for White.*

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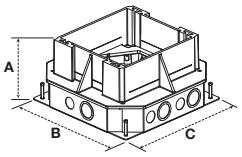
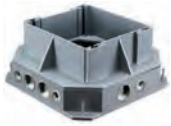
Recessed 6-Gang Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

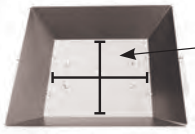
Style	Stamped Steel	Cast Iron
	6-Gang **LCFBSSA**	6-Gang  **LCFBCA**
Min. Depth of Pour	3.50" (88.9)	3.65" (92.7)
Adjustability	Fully	Fully
Cubic Inch (cm3) Capacity Per Chamber	(4) at 38.2 cu. in. (626.0 cm3) (2) at 25.4 cu. in. (416.2 cm3)	(4) at 36.8 cu. in. (603.0 cm3) (2) at 25.4 cu. in. (416.2 cm3)
Dimensions – A	6.18" (157.0)	6.35" (161.3)
Dimensions – B	12.95" (328.9)	13.11" (333.0)
Dimensions – C	12.95" (328.9)	13.11" (333.0)
Threaded Access Holes – Per Chamber	–	(1) ¾" & (1) 1¼"
Knockouts – Per Chamber	(1) Concentric 1", 1¼" (1) ¾"	–
Concrete Cover Included	✓	✓
Closure Plugs Included	–	✓
Cover Mounting Brackets Included*	✓	✓

*Note: *Replacements Mounting Brackets available, (1 pair)* ***LCFBBRACKET****.*
UL File Number E31999. CSA File Number LR18416.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4

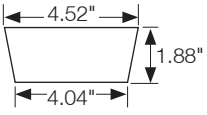


Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

Recessed Floor Box Covers

Smooth Metallic Cover, Flange and Cable Doors for Carpet Applications	Cover Dimensions 10.30" x 10.30"	Aluminum Finish Brass Finish Black Gray	**LCFBCALTC** **LCFBCBRSTC** **LCFBCBKTC** **LCFBCGYTC**	
Metallic Cover, Flange and Cable Doors for Carpet Applications – Carpet Insert Required	Cover Dimensions 10.30" x 10.30"	Aluminum Finish Brass Finish Black Gray	**LCFBCALC** **LCFBCBRSC** **LCFBCBKC** **LCFBCGYC**	
Reinforced Non-Metallic Cover, Flange and Cable Doors for Carpet Applications – Carpet Insert Required	Cover Dimensions 10.30" x 10.30"	Black Brown Gray Ivory	**LCFBCBKA** **LCFBCBRA** **LCFBCGYA** **LCFBCIA**	
Smooth Metallic Cover and Cable Doors for Tile Applications	Cover Dimensions 8.31" x 7.70"	Aluminum Finish Brass Finish Black Gray	**LCFBCALT** **LCFBCBRST** **LCFBCBKT** **LCFBCGYT**	

Face Plates



Typical

Dimensions in Inches (mm)

LCFBP8

Duplex

LCFBP26

Style Line® Decorator Opening

LCFBP720

Single Receptacle (for 1.56" boss dia.)

LCFBIM

3-Unit Hubbell iSTATION (See Network Wiring section for module options)

LCFBP14

Blank

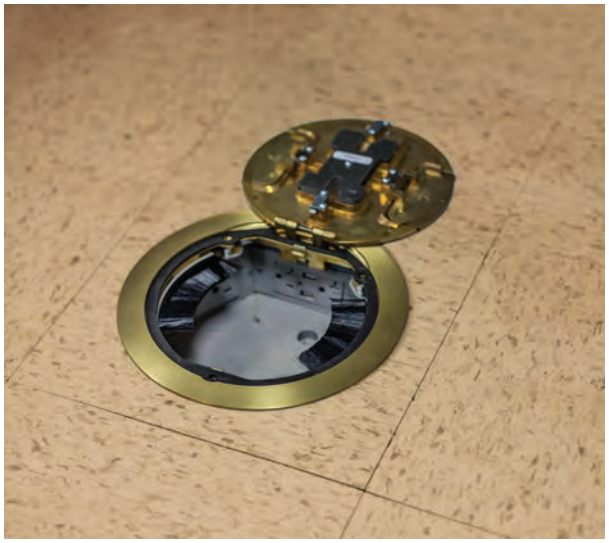
Large Capacity Concrete Floor Boxes with Round Cover

ScrubShield® Complies with UL514A

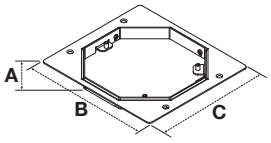
Hubbell's LCFB Adapter System allows users to integrate Hubbell's SystemOne Round Covers with Hubbell's Six-Gang Large Capacity Floor Box. This combination provides greater capacity, durability, flexibility with an attractive finish. Covers are available in a variety of architectural finishes including brass, nickel and aluminum. These covers provide a common round look and finish between Hubbell SystemOne Recessed Fire-Rated Poke-Throughs and the Six-Gang Large Capacity Floor Box (with the use of the LCFB adapter) — enhancing building decor.

The round shape of the SystemOne cover allows for the products to be installed in any location or orientation without having concern for parallel lines in the building floor while the device capacity of the Large Capacity Floor Box allows for power, data and audio visual to be combined into a common floor box.

- Round cover to match Fire-Rated Poke-Through installations
- Eight distinct mounting directions
- Drop down cable access doors to reduce trip hazards
- Post pour adjustability
- Egress door brushes reduce ingress of dirt
- Five aesthetically pleasing finishes



Dimensions Inches (mm)

Style	6-Gang
	**LCFBS1R8ADAPT**
Adjustability	Post pour
Vertical Adjustability Range	⅛" minimum to ⅜" maximum finished floor height
Dimensions – A	.89" (22.6)
Dimensions – B	10.13" (257.3)
Dimensions – C	9.25" (235.0)
Cover Orientation Positions	Eight (8); every 45°
Material	Galvanized sheet metal
Compatible Floor Boxes	LCFBSSA, LCFBCA

*Note: *Will sit approximately 1/8" above level of concrete floor after installation. Concrete will need to be graded after initial pour to remove potential ridges.*

Compatible SystemOne Recessed 8" Covers

Finish	Catalog Number
Brushed Aluminum	**S1R8CVRALU**
Black Powder Coat	**S1R8CVRBLK**
Brushed Brass Plated	**S1R8CVRBRS**
Bronze Plated Finish	**S1R8CVRBRZ**
Satin Nickel Plated	**S1R8CVRNKL**

Note: Must order adapter LCFBS1R8ADAPT when using S1R8CVRxxx covers on LCFBxx floor boxes.

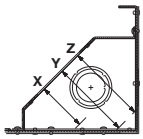
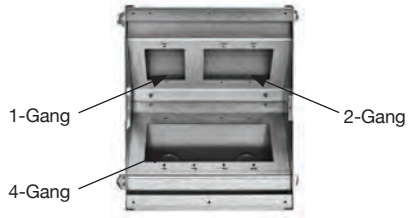
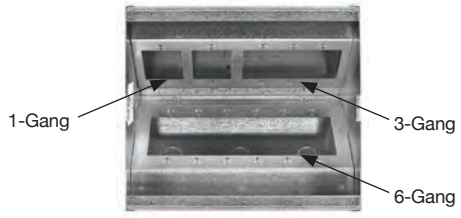
Brushed Aluminum | Black Powder Coat | Brushed Brass Plated | Bronze Plated Finish | Satin Nickel Plated

Dimensions in Inches (mm)

Recessed 7- and 11-Gang Concrete Floor Boxes

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

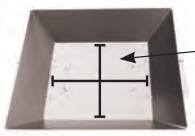
Style	CFB7G Series		CFB11G Series	
	7-Gang		11-Gang	
	CFB7G4	**CFB7G6**	**CFB11G4**	**CFB11G6**
Min. Depth of Pour	4.08" (103.5)	6.08" (154.3)	4.08" (103.5)	6.08" (154.3)
Adjustability	Before Pour	Before Pour	Before Pour	Before Pour
Dimensions: A B C	4.08" (103.5) 10.0" (254.0) 12.2" (309.9)	6.08" (154.3) 10.0" (254.0) 12.2" (309.9)	4.08" (103.5) 13.5" (342.9) 12.2" (309.9)	6.08" (154.3) 13.5" (342.9) 12.2" (309.9)
Trade Size Knockouts: Sidewalls	(4) x 1", 1¼" Concentric	(4) x 1", 1¼", 1½" Concentric	(4) x 1", 1¼" Concentric	(4) x 1", 1¼", 1½" Concentric
Back	(3) x 1", 1¼", 1½" Concentric; (1) x 2"	(3) x 1", 1¼", 1½" Concentric; (1) 2"	(2) ¾", 1" Concentric; (4) 1", 1¼", 1½" Concentric, (1) 2"	(2) ¾", 1" Concentric; (4) 1", 1¼", 1½" Concentric, (1) 2"
Bottom	(4) x 1", 1¼", 1½" Concentric	(4) x 1", 1¼", 1½" Concentric	(5) 1", 1¼", 1½" Concentric; (2) ¾", 1" Concentric	(5) 1", 1¼", 1½" Concentric; (2) ¾", 1" Concentric
Side View Depth behind mounting plate 	X - 1.01" Y - 2.41" Z - 3.51"	X - 2.37" Y - 3.77" Z - 3.65"	X - 1.02" Y - 2.42" Z - 3.50"	X - 2.37" Y - 3.81" Z - 3.72"
Accepts industry standard size wallplates (sold separately)	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(2) 1-Gang (1) 3-Gang (1) 6-Gang	(2) 1-Gang (1) 3-Gang (1) 6-Gang
Interior Configuration				

Note: UL File Number E31999.
CSA File Number LR18416.

Accessories

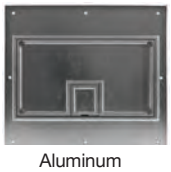
On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4



Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

Floor Box Covers

	CFB7G Series		CFB11G Series	
	Brass	Aluminum	Brass	 Aluminum
Flange and cover; Beveled edge for carpet	¼" Edging		¼" Edging	
	CFB7CVRBRS	**CFB7CVRALU**	**CFB11CVRBRS**	**CFB11CVRALU**
Flange and cover; Square edge for tile	½" Edging		¼" Edging	
	CFB7TBRS	**CFB7TALU**	**CFB11TBRS**	**CFB11TALU**

Note: Covers provide a recessed area, allowing floor covering to be inserted.

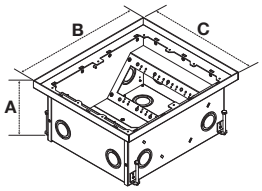
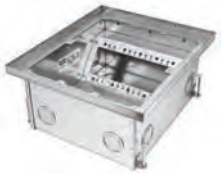
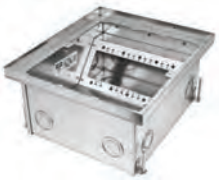
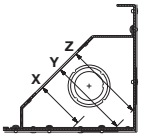
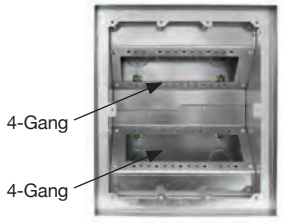
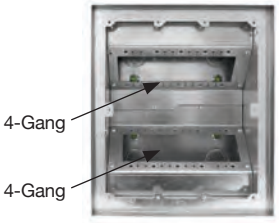
Dimensions in Inches (mm)

Recessed Ballroom Series Floor Boxes

8-Gang 20,000 lb Cover

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

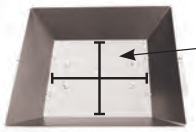
Style		CFB8FC Series	
		8-Gang  **CFB8FC1**	8-Gang  **CFB8FC2**
Application		Carpet	Tile, Finished Concrete
Min. Depth of Pour		6.95" [177mm]	7.15" [182mm]
Adjustability		Before Pour	Before Pour
Dimensions:	A B C	6.95" (176.5) 15.00" (176.5) 13.00" (330.2)	7.15" (181.6) 14.75" (374.7) 12.75" (323.9)
Trade Size Knockouts:	Sidewalls Back Bottom	(4) x 1.5", 1.25", 1" concentric (4) x 1.5", 1.25", 1" concentric (4) x 1.5", 1.25", 1" concentric	(4) x 1.5", 1.25", 1" concentric (4) x 1.5", 1.25", 1" concentric (4) x 1.5", 1.25", 1" concentric
Side View Depth behind mounting plate 		X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)
Accepts industry standard size wallplates (sold separately) 4.63" Maximum Cover Height		One, two, three and four gang plates. Customer configuration dependant.	One, two, three and four gang plates. Customer configuration dependant.
			

Accessories

On-grade Barrier

The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4



Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

Covers

	CFB8FC1 Covers		CFB8FC2 Covers	
All ballroom floor box covers are machined from Aluminum and have no additional finish options				
Carpet Cover, with 2 egress doors (0.20" depth)	**CFB8CVRALU1**	–	–	–
Flush cover, with 2 egress doors	–	–	**CFB8CVRALU2**	–
Blank box cover	–	**CFB8JBC1**	–	**CFB8JBC2**
Cover Load Ratings*: Recommended Loading Maximum Load	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb

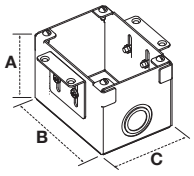
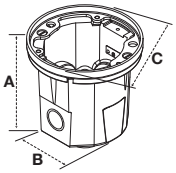
*Note: *Load applied through 3" (76mm) mandrel in center of cover. Loads are static and don't apply to rolling loads.*

Dimensions in Inches (mm)

Flush Floor Boxes for Wooden Floors

ScrubShield® Complies with UL514A

Dimensions Inches (mm)

Style		Rectangular Stamped Steel			Round Cast Iron	
	 Collar Material Brass	1-Gang	2-Gang	3-Gang	1-Gang	1-Gang
		B2481*	**B2482**	**B2483**	**B2588***	**B2588275***
Adjustability		Semi	Semi	Semi	Non	Non
Cubic Inch (cm3) Capacity Per Gang		42.0 cu. in. (658.3 cm3)	42.5 cu. in. (696.5 cm3)	42.5 cu. in. (696.5 cm3)	18.5 cu. in. (303.2 cm3)	18.5 cu. in. (303.2 cm3)
Dimensions – A		3.13" (79.5)	3.13" (79.5)	3.13" (79.5)	3.65" (92.7)	3.65" (92.7)
Dimensions – B		4.50" (114.3)	4.50" (114.3)	4.50" (114.3)	3.22" (81.8)	3.22" (81.8)
Dimensions – C		3.20" (81.3)	6.42" (163.1)	9.64" (244.9)	4.09" (103.9)	4.09" (103.9)
Threaded Access Holes		–	–	–	Bottom (2) ½"	Sides (2) ¾" Bottom (2) ½"
Knockouts – Sides		(1) ½", ¾", 1"	(2) ½", ¾", 1"	(3) ½", ¾", 1"	–	–
Knockouts – Ends		–	–	–	–	–
Knockouts – Bottom		(1) ½" - 1¼"	(2) ½" - 1¼"	(3) ½" - 1¼"	–	–
Debris Cover Included		✓	✓	✓	–	–
Closure Plugs Included		–	–	–	✓	✓
Removable LV Barrier		–	✓	✓	–	–

Note: UL File Number E31999. CSA File Number LR18416.
**Suitable for single service applications only.*

Rectangular Flanges (Required)

Brass Aluminum	SB3083W SA3083W	SB3084W SA3084W	SB3085W SA3085W
No. of Gangs	1-Gang	2-Gang	3-Gang
Dimensions	6.00" x 4.85"	6.00" x 8.13"	6.00" x 11.34"

Round Flanges

S3182 SA3182	S3082 SA3082
5.25" Dia.	6.25" Dia.

Round Covers (3.88" Dia.)

S3925 SA3925	S3725 SA3725	S2525 SA2525
Duplex Flap	Duplex Screw	2⅛" x ¾" Comb.

Covers – One Required per Gang

Brass Aluminum Dimensions 4.15" x 2.99"	S3825 SA3825	S3625 SA3625	S3826 SA3826	S2425 SA2425
	Duplex Flap	Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination
Brass Aluminum Dimensions 4.15" x 2.99"	S2625 SA2625	S2825 –	S3425 –	S3813 SA3813
	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

Round Covers

Brass Aluminum 3.88" Dia.	S2725 SA2725	S2925 SA2925	S3525 –	S3325 –
	2⅛" x 1" Comb.	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Rec. (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange

Brass 6.25" Dia.	SF3925	SF2525	SF2725	SF2925
	Duplex Flap	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

Dimensions in Inches (mm)

Above-Floor Service Fittings (Single Service)

Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

Pedestals – Metallic – LO-CON (single service only)
Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with ¾-inch or 1-inch threaded openings.

SC3098A
SC3099A

Create Pedestal – Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.

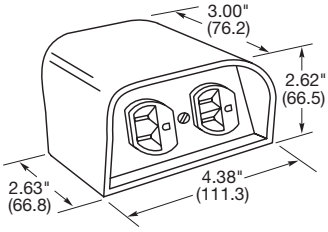
Description	Catalog Number
Frame, housing, ¾ in. chase nipple, without plates.	**SC3098A**
Frame, housing, 1 in. chase nipple, without plates.	**SC3099A**
Blank plate.	**SS309B**
Telephone bushing with 1 in. I.D. and (2) ⅜ in. KO for coax.	**SS309T**
Single receptacle plate with 1.39 in. (35.3) opening.	**SS309S**
Duplex receptacle plate.	**SS309D**
Style Line® decorator plate.	**SS309DS**

SS309D SS309DS

Furniture Feed Plates – Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

Description	Catalog Number
Aluminum plate with ¾ in. trade size knockout.	**SS309SF**
Aluminum plate, blank.	**SS309BF**

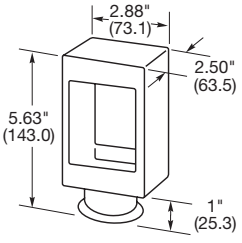
Note: When using SS309SF on Hubbell's LO-CON pedestals, SS309BF must be used on the opposite side.



Pedestals – Specialized Service – Large Capacity Pedestals (single service only)

Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a ¾-inch or 1-inch hub and are designed for mounting to floor box covers with ¾-inch or 1-inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

2-Gang



SA6685
SA6686

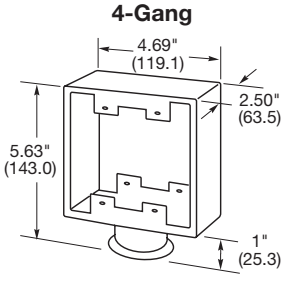
Description (2-Gang Housing)	Catalog Number
2-gang (front and back) with ¾ in. hub.	**SA6685**
2-gang (front and back) with 1 in. hub.	**SA6686**

Plate Option – 1-Gang

Description	Catalog Number
Duplex opening.	**SS8**
Style Line® decorator opening.	**SS26**
Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	**SS7**
Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1).	**SS720**
Blank plate.	**SS13**

SS7 SS720 SS26

4-Gang



SA6687
SA6688

Description (4-Gang Housing)	Catalog Number
4-gang (2 front and 2 back), with ¾ in. hub.	**SA6687**
4-gang (2 front and 2 back), with 1 in. hub.	**SA6688**

Plate Option – 2-Gang

Description	Catalog Number
Two duplex openings.	**SS82**
Two Style Line® decorator openings.	**SS262**
Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	**SS72**
Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0).	**SS701**
Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1).	**SS703**
Blank plate.	**SS23**

SS82 SS262

Dimensions in Inches (mm)

Flush Non-Metallic Floor Box For Concrete Floors

Residential Delivery Systems

The Hubbell Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system.

The Right Choice for that Perfect Finishing Touch!

Note: Not all configurations are available in all colors. See below for details.

RF406BK

RF400

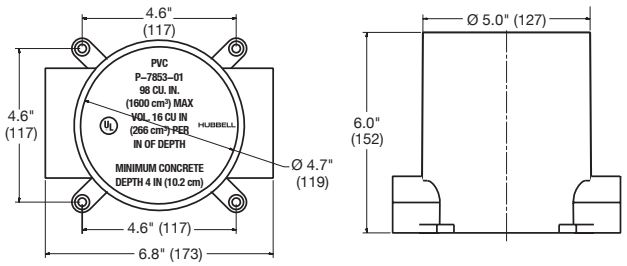
RF407BK

RF408

Floor Box for Structural Concrete Floors

Description	Material	Color	Catalog Number
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle 15A 125V; gasket; floor leveling PVC ring; high impact and chemically resistant nylon; factory pre-assembled for easy drop-in installation.	Solid Brass	—	**RF406BR**
	Thermoplastic	Almond	**RF406AL**
	Thermoplastic	Black	**RF406BK**
	Thermoplastic	Chestnut Brown	**RF406BN**
	Thermoplastic	Gray	**RF406GY**
Flush fit for hardwood and tile floors (same as above).	Solid Brass	—	**RF409BR**
Floor box with concrete protective cover; accepts ¾ in. and 1 in. schedule 40 and schedule 80 PVC conduit; includes round box (4 7/8 in. dia. x 6.0 in. deep); four reducers; closure plugs; and concrete cover with locator flag.	PVC	Gray	**RF400**
Hinged nylon replacement door cover; includes neoprene gasket to seal plug openings; replacement cover for RF406 series.	Solid Brass	—	**RF407BR**
	Thermoplastic	Almond	**RF407AL**
	Thermoplastic	Black	**RF407BK**
	Thermoplastic	Chestnut Brown	**RF407BN**
	Thermoplastic	Gray	**RF407GY**
Low voltage divider; for use in PVC box RF400; when JLOAD® multimedia outlet is used.	Thermoplastic	Gray	**RF408**

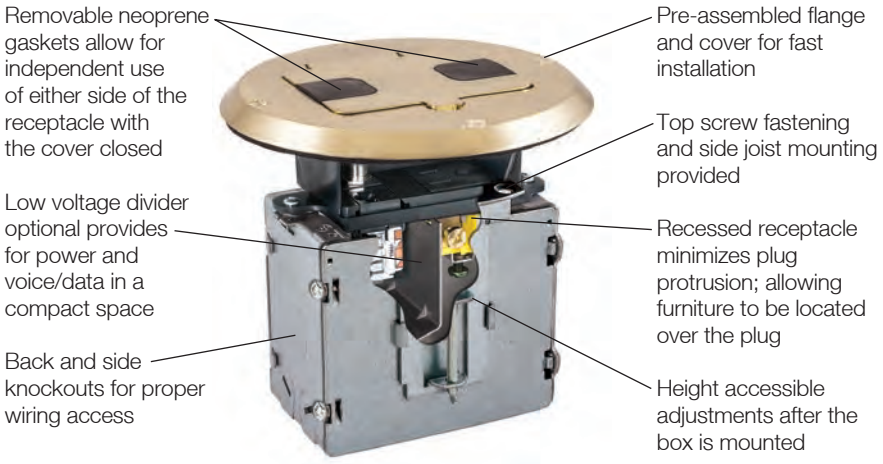
Dimensions Inches (mm)



Dimensions in Inches (mm)

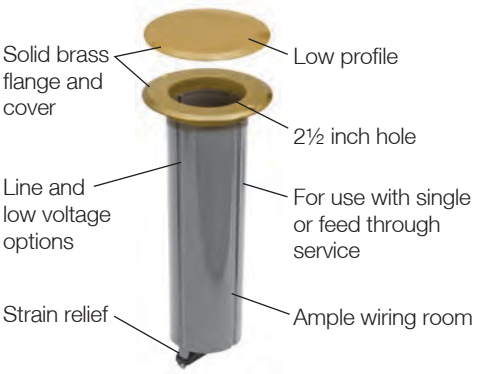
Flush Floor Boxes for Wooden Floors

Residential Delivery Systems



Note: Template cutout provided with instructions for proper installation.

Drop-In Floor Box



The Right Choice for that Perfect Finishing Touch!

Note: Not all configurations are available in all colors. See below for details.

Floor Boxes for Structural Wood Floors

Description	Material	Finish	Cat. Number	Material	Finish	Cat. Number
Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF515BR** **RF515SS** **RF515AL** **RF515BK** **RF515BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF515BP** **RF515CH** **RF515CU** **RF515NI**
Flush fit for hardwood and tile floors (same as above).	Solid Brass	Clear Lacquer	**RF509BR**			
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF506BR** **RF506SS** **RF506AL** **RF506BK** **RF506BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF506BP** **RF506CH** **RF506CU** **RF506NI**
Adjustable floor box; 3 inch deep; three (3) ½ inch knockouts: one on bottom; one on each side; non-metallic sheathed cable clamps on each side.				Steel	–	**RF500**

RF515BR

RF506BR

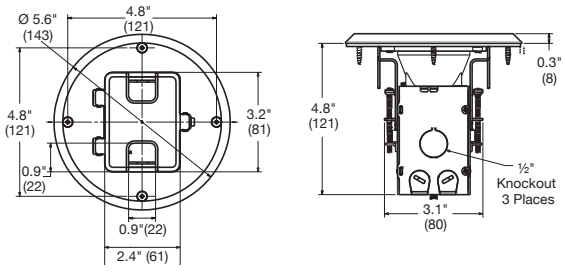
Drop-In Floor Box for Structural Wood Floors

Description	Material	Rating	Cat. Number
Drop-in floor box; mounts in 2.50 inch hole opening; includes solid brass cover; single 125V tamper-resistant receptacle; optional device mounts for two voice/data video ports; suitable for feed through circuitry; impact resistant box.	Solid Brass Solid Brass	15 Amp 20 Amp	**RF151R** **RF201R**

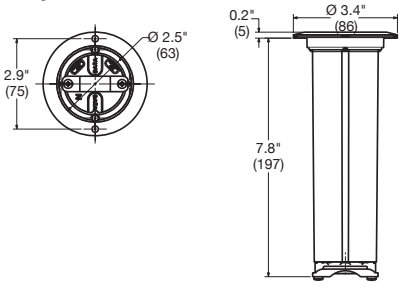
RF500

Dimensions Inches (mm)

Wood Floor Boxes

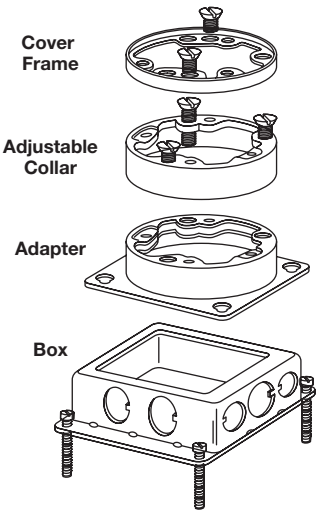


Drop-In Floor Box



RF151R

Dimensions in Inches (mm)



Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.

Problem Solvers and Replacement Components
Stacking (Adjustable) Collars and Frames

Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged.

If the box number is...	Extension Value	Use Collar Number
B2429, B2427, B2436 or B2437	.81" (20.5)	**C2400***
B2503, B2506	1.06" (26.9)	**C2504***
B2529, B2536, B2527 or B2537	1.06" (26.9)	**C2500***
B4233	1.03" (26.2)	**C4200***
B4333	1.03" (26.2)	**C4300***

*Note: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24 UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.*

Replacement Adjustable Collar

C2400 **C4200**

Replacement Components for Floor Box Covers and Fittings

			Catalog Number	
Box Type	Dimension	Extension Value	Brass	Aluminum
Round	4.19" (106.4) diameter	.31" (7.9)	**S5016**	**SA5016**
Rectangular	3.19" (81.0) x 4.38" (111.2)	.31" (7.9)	**S5017A**	**SA5017A**
Rectangular, grounding	3.19" (81.0) x 4.38" (111.2)	.31" (7.9)	**S5017G**	**SA5017G**

Replacement Cover Frames

S5016 **S5017A**

S5017G

Crown Plugs

S5012 **S5013**

Flush Cap Rings

S5010

Flush Plugs

S5007

Dimensions in Inches (mm)

Crown Plugs

		Catalog Number	
Description	Used in the following covers	Brass	Aluminum
¾" thread size.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	**S5012**	**SA5012**
1" thread size.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	**S5013**	**SA5013**

Flush Cap Rings

		Catalog Number	
Description	Used in the following covers	Brass	Aluminum
2⅛" threaded plug with ¾" thread size opening.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	**S5010**	**SA5010**
2⅛" threaded plug with 1" thread size opening.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	**S5025**	**SA5025**

Flush Plugs

		Catalog Number	
Description	Used in the following covers	Brass	Aluminum
¾" I.P.S. thread size.	F1339, F1340	**S5002**	–
1" I.P.S. thread size.	F1539	**S5003**	–
1½" fine thread size.	S3725, SA3725, S3625, SA3625	**S5007**	**SA5007**
2⅛" fine thread size.	S2925, SA2925, S88, S2930, S2955, SF2925, S2825	**S5020**	**SA5020**
2⅜" fine thread size.	S3525, S3425	**S5030**	–

Problem Solvers and Replacement Components
Protective Ring for 2⅛ Inch Threaded Covers

Description	Catalog Number
Provides mechanical and wet mop protection for plugs and receptacles (brass).	**S3061**

Protective Ring for 2⅛" Threaded Covers

S3061

Theater Seating Floor Box

Description	Catalog Number
The theater seating floor box is nonadjustable and provides a ¾ in. threaded hub for conduit connection to theater aisle lights. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Knockouts: (¾ in. surface, ¾ in. sides, ¾ in. bottom) 18.80 cu. in. (380 cubic cm).	**F3185**

Theater Seating Floor Box

F3185

Adjustable Tops (Brass)
Brass Outlet Fittings for Conduit Systems

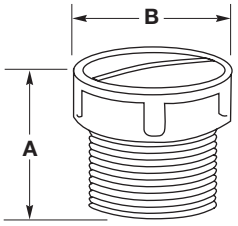
Future requirements for floor outlets may be accommodated by systematically studding the floor with these fittings, all radiating from one or more floor boxes, from which any changes or additions may be subsequently made by the pulling of wires from box to the outlet. Adjustment tops are male connections to be mounted on elbow or tee fittings. They provide a pre-pour adjustment and an available connection for above-floor service heads.

Description	A	B	Catalog Number
¾ in. threaded conduit size (male).	1.25" (31.8)	1.44" (36.6)	**F1339**
1 in. threaded conduit size (male).	1.31" (33.3)	1.75" (44.5)	**F1539**

Note: Adjustment: ¾ in. and 1 in. fittings permit ½ in. vertical adjustment.

Adjustable Tops (Brass)

F1339 **F1539**



Adjustable Tops

Coupling (Brass)

Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1¼ in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

Description	A	B	Catalog Number
¾ in. threaded conduit size (female).	1.44" (36.6)	1.25" (31.8)	**F1340**

Coupling (Brass)

F1340

Dimensions in Inches (mm)

Hubbell Floor Box Cover to Receptacle

Compatibility Chart

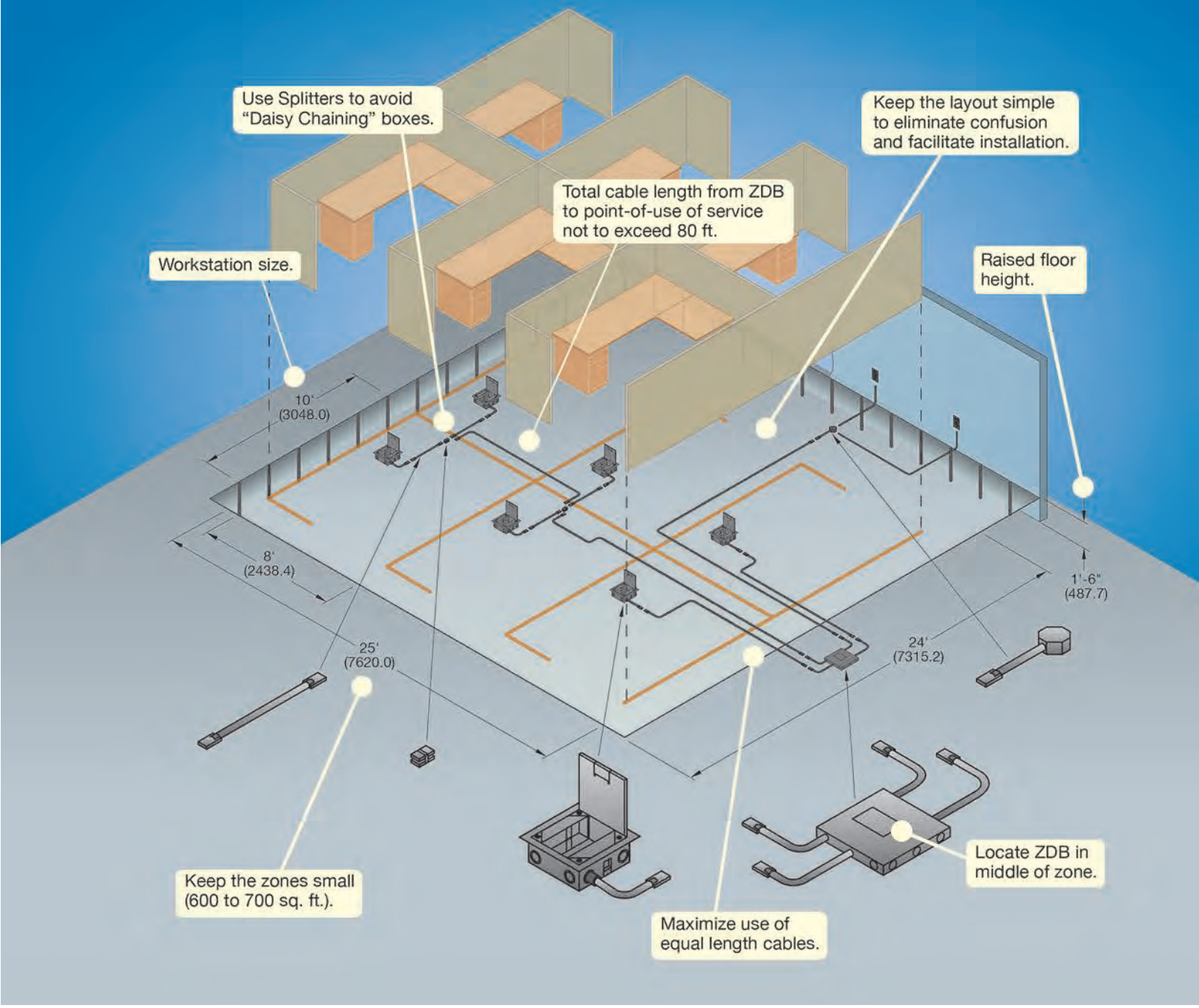
ScrubShield® Complies with UL514A

Cover Style			Terazzo (2⅛")	2⅜"	2⅛"	Duplex Flap	Duplex Plug	Style Line®
Round			S3325	S3525	S(A)2925 S(A)2725 S(A)2525	S(A)3925	S(A)3725	
Rectangular				S3425	S2825 S(A)2625 S(A)2425	S(A)3825	S(A)3625	S(A)3826
Rating	NEMA Config.							
2P, 3W 15A, 125V	5-15R		HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	HBL2152 IG2152 GF15LA HBL5260SA HBL5262SA
2P,3W 15A, 125V	L5-15R		HBL4710 IG4710	HBL4710 IG4710	HBL4710 IG4710	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	
2P, 3W 15A, 250V	6-15R		HBL5661 IG5661	HBL5661 IG5661	HBL5661 IG5661	HBL5652 HBL5662 IG5662	HBL5652 HBL5662 IG5662	
2P, 3W 15A, 250V	L6-15R		HBL4560 IG4560	HBL4560 IG4560	HBL4560 IG4560	HBL4550 IG4550A	HBL4550 IG4550A	
2P, 3W 15A, 277V	7-15R					HBL5302	HBL5302	
2P, 3W 15A, 277V	L7-15R		HBL4760	HBL4760	HBL4760	HBL4750	HBL4750	
2P, 3W 20A, 125V	5-20R		HBL5361 IG5361	HBL5361 IG5361	HBL5361 IG5361	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	HBL2162 IG2162 GF20LA HBL5360SA HBL5362SA
2P, 3W 20A, 125V	5-20R					HBL5392	HBL5392	
2P, 3W 20A, 125V	L5-20R		HBL2310 IG2310	HBL2310 IG2310	HBL2310 IG2310			
2P, 3W 20A, 250V	6-20R		HBL5461 IG5461	HBL5461 IG5461	HBL5461 IG5461	HBL5462 IG5462	HBL5462 IG5462	
2P, 3W 20A, 250V	L6-20R		HBL2320 IG2320	HBL2320 IG2320	HBL2320 IG2320			
2P, 3W 30A, 125V	L5-30R		HBL2610 IG2610	HBL2610 IG2610	HBL2610 IG2610			
2P, 3W 30A, 250V	L6-30R		HBL2620 IG2620	HBL2620 IG2620	HBL2620 IG2620			
3P, 4W, 20A 125/250V	14-20R		HBL8410	HBL8410	HBL8410			
	L14-20R		HBL2410 IG2410	HBL2410 IG2410	HBL2410 IG2410			
3P, 4W, 20A 3Ø 250V	15-20R		HBL8420	HBL8420	HBL8420			
	L15-20R		HBL2420 IG2420	HBL2420 IG2420	HBL2420 IG2420			
3P, 4W, 30A 125/250V	L14-30R		HBL2710 IG2710	HBL2710 IG2710	HBL2710 IG2710			
3P, 4W, 30A 3Ø 250V	L15-30R		HBL2720 IG2720	HBL2720 IG2720	HBL2720 IG2720			
3P, 4W, 30A 3Ø 600V	L17-30R		HBL2740	HBL2740	HBL2740			
4P, 5W, 20A 3ØY 120/208V	L21-20R		HBL2510 IG2510	HBL2510 IG2510	HBL2510 IG2510			
4P, 5W, 20A 3ØY 347/600V	L23-20R		HBL2530	HBL2530	HBL2530			
4P, 5W, 30A 3ØY 120/208V	L21-30R		HBL2810 IG2810	HBL2810 IG2810	HBL2810 IG2810			
4P, 5W, 30A 3ØY 347/600V	L23-30R		HBL2830	HBL2830	HBL2830			

CONNEXION Modular Wiring Zone System

System Planning

The Hubbell CONNEXION Zone Distribution System is a factory assembled, flexible, modular system that delivers power and data in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION Zone Distribution System allows for power and communications to be located where needed for efficient relocations and upgrades.



Extender cables

Splitter

Zone Distribution Box

CONNEXION – Wiring Schematics

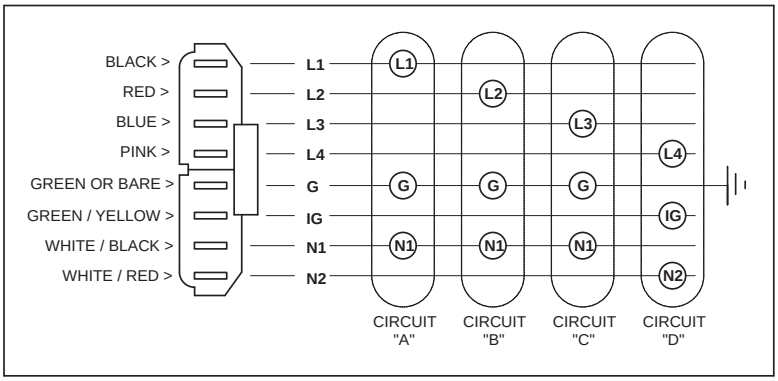
The CONNEXION System is offered in three common 20A per circuit wiring configurations to support the unique requirements of a building infrastructure. The basic system design to deliver all eight wires throughout the Network, consisting of hots, neutrals, grounds, and isolated grounds.

4/2/2 System Configuration (4-Hots, 2-Neutrals, 2-Grounds)

3 + 1 Wiring Configuration

Appropriate in areas where moderate amounts of sensitive equipment are used, and where separation from other circuits and isolated grounding are required.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose.
- One circuit on dedicated #10 AWG neutral for sensitive equipment.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 or 120/240 volt.
- 8-Wires (4 hots, 2 neutrals, 2 grounds).

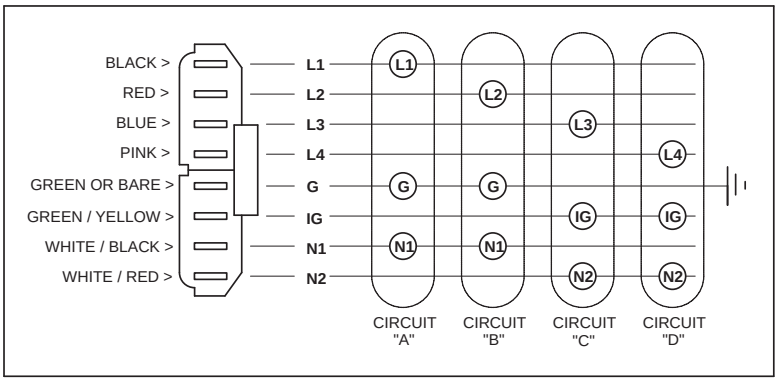


4/2/2 System Configuration (4-Hots, 2-Neutrals, 2-Grounds)

2 + 2 Wiring Configuration

Appropriate in areas where a high concentration of sensitive equipment (computers, printers) is needed and minimal amounts of conventional equipment exist.

- Two circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Two additional circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 or 120/240 volt.
- 8-Wires (4 hots, 2 neutrals, 2 grounds).

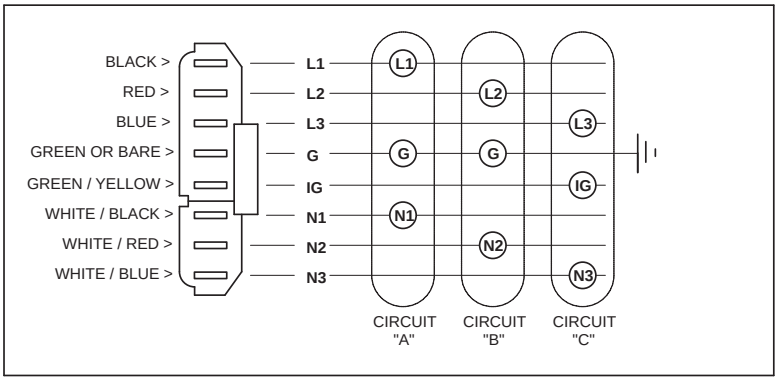


3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)

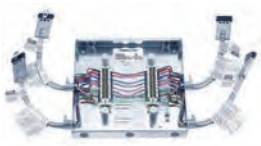
2 + 1 Wiring Configuration

Appropriate where either a 120/240 volt or 120/208 volt 3ØY power distribution system exists and separate neutral conductors are desired.

- Three circuit capacity.
- Isolated ground capability for sensitive equipment.
- Each circuit has its own#12 AWG neutral to manage harmonics.
- Component Rating: 20 amperes at 120/208 or 120/240 volt.
- 8-Wires (3 hots, 3 neutrals, 2 grounds).



Note: Contact factory for custom wiring configurations.



Expandable Zone Distribution Boxes	Catalog Number
4/2/2 System (2+2)	**PDCS42222**
4/2/2 System (3+1)	**PDCS42231**
3/3/2 System	**PDCS332**

Splitter Modules	Catalog Number
4/2/2 System	**SPLITTER422**
3/3/2 System	**SPLITTER332**

Extender Cable Female To Female	Catalog Number
4/2/2 System	**EXT422xxFF8W***
3/3/2 System	**EXT332xxFF8W***

*Note: *Replace **xx** with "05" for 5 ft., "10" for 10 ft., "15" for 15 ft., "20" for 20 ft., "25" for 25 ft. and "30" for 30 ft. Custom lengths are available upon request.*

Furniture Feed	Catalog Number
4/2/2 System	**FIJB422**
3/2/2 System	**FIJB332**

Cable Whip Male To Open	Catalog Number
4/2/2 System, 15 in.	**EXT42201MO8W**
3/3/2 System, 15 in.	**EXT33201MO8W**
4/2/2 System, 5 ft.	**EXT42205MO8W**
3/3/2 System, 5 ft.	**EXT33205MO8W**
4/2/2 System, 15 ft.	**EXT42215MO8W**
3/3/2 System, 15 ft.	**EXT33215MO8W**

Cable Whip Female To Open	Catalog Number
4/2/2 System, 15 in.	**EXT42201FO8W**
3/3/2 System, 15 in.	**EXT33201FO8W**
4/2/2 System, 5 ft.	**EXT42205FO8W**
3/3/2 System, 5 ft.	**EXT33205FO8W**
4/2/2 System, 15 ft.	**EXT42215FO8W**
3/3/2 System, 15 ft.	**EXT33215FO8W**

Pre-Wired Raised Access Floor Box Configuration

Step 1 – Select a Raised Floor Box Series

Box Series	Description	Dimensions (Including Cover)	Conduit Knockouts
AFB101	4-Gang Deep with Non-Metallic Cover	8.94"L x 6.94"W x 5.18"H	½", ¾", 1"
AFB301	4-Gang Deep with Metal Cover	10.00"L x 10.00"W x 4.30"H	½", ¾", 1", 1¼"
AFB401	4-Gang Shallow with Metal Cover	10.00"L x 10.00"W x 2.81"H	½", ¾", 1"
AFB501	8-Gang Deep with Metal Cover	10.00"L x 10.00"W x 5.31"H	½", ¾", 1", 1¼"
AFB801	4-Gang Deep, Round with Metal Cover	8.37" Diameter x 5.68"H	½", ¾", 1"

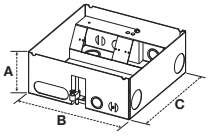
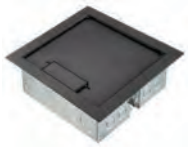
Step 2 – Use Device Selection Chart to Configure Gangs		(Configured Catalog Number)
Step 2A	If customer needs the 4-gang deep box:	**AFB301**
Step 2B	Choose 4/2/2 or 3/3/2 System {4 = 4/2/2, 3 = 3/3/2}	**AFB3014**
Step 2C	Gang 1 - Configure using selection chart	**AFB3014A**
Step 2D	Gang 2 - Configure using selection chart	**AFB3014AE**
Step 2E	Gang 3 - Configure using selection chart	**AFB3014AEH**
Step 2F	Gang 4 - Configure using selection chart	**AFB3014AEHZ**

Device Selection Chart	
Catalog Letter	Description
A	Line 1, 20A Duplex (**5352G**)
B	Line 1, 20A, IG Duplex (**CR5352IG**)
E	Line 2, 20A Duplex (**5352G**)
F	Line 2, 20A, IG Duplex (**CR5352IG**)
I	Line 3, 20A Duplex (**5352G**)
H	Line 3, 20A, IG Duplex (**CR5352IG**)
O	Line 4, 20A Duplex (**5352G**)
P	Line 4, 20A, IG Duplex (**CR5352IG**)
Z	Unpopulated gang, empty for install of tel/data.

Dimensions in Inches (mm)

Unloaded Raised Access Floor Boxes and Face Plates

Dimensions Inches (mm)

Style	Metallic Cover			Non-Metallic Cover	Metallic Cover
	4-Gang Deep	4-Gang Shallow	8-Gang Deep	4-Gang Deep	3-Gang Power and 1-Gang Low Voltage
					
Cover Color Black Gray	**AFB301BK◆** **AFB301GNT◆**	**AFB401BK◆** **AFB401GNT◆**	**AFB501BK◆** **AFB501GNT◆**	**HBLAFB101BK*** **HBLAFB101GNT***	**AFB801BK†** **AFB801GNT†**
Max. Floor Thickness	2.75" (69.9)	1.88" (47.8)	3.75" (95.3)	2.00" (50.8)	2.62" (66.5)
Cubic Inch (cm3) Capacity Per Gang	31.3 cu. in. (513 cm3)	25.3 cu. in. (414 cm3)	55.6 cu. in. (911 cm3)	(2) 22.5 cu. in. (368.7 cm3) (2) 20.5 cu. in. (335.9 cm3)	(2) 17.1 cu. in. (280 cm3) (1) 15.9 cu. in. (260 cm3)
Dimensions – A	4.00" (101.6)	2.62" (66.5)	5.12" (130.0)	5.18" (131.6)	6.12" (155.4)
Dimensions – B	10.00" (254.0)	10.00" (254.0)	10.00" (254.0)	9.00" (228.6)	–
Dimensions – C	10.00" (254.0)	10.00" (254.0)	10.00" (254.0)	7.00" (177.8)	–
Cover Flange Dim.	12.00" x 12.00"	12.00" x 12.00"	12.00" x 12.00"	10.62" x 8.62"	10.0" Diameter
Knockouts – Sides	(1) ½", (2) ½" & ¾", (4) 1¼" trade size	(1) ½", (6) ½" & ¾" trade size	(1) ½", (2) ½" & ¾", (4) 1¼" trade size	(4) ½" & (4) ¾", (4) ¾" & 1" trade size	(1) ½", (2) ¾" & 1" trade size
Knockouts – Bottom	(4) ¾" & 1" trade size	(4) ¾" & 1" trade size	(4) ¾" & 1" trade size	(4) ¾" & 1" trade size	(3) ½" & ¾" trade size
Cover & Flange Included (Carpet or tile application)	✓	✓	✓	✓	✓
Floor Tile Cut-Out	10.38" x 10.38"	10.38" x 10.38"	10.38" x 10.38"	9.00" x 7.00"	8.375" Diameter

HBLTCGNT

HBLAFB101TCBK*

Replacement Metallic Cover and Flange

Description	Dimensions	Color	Catalog Number
Cover and Flange	12"W x 12"L	Gray	**HBLTCGNT**
Cover and Flange	12"W x 12"L	Black	**HBLTCGNTBK**

Replacement Non-Metallic Cover and Flange

Description	Dimensions	Color	Catalog Number
Cover and Flange	7"W x 9"L	Gray	**HBLAFB101TCGNT***
Cover and Flange	7"W x 9"L	Black	**HBLAFB101TCBK***

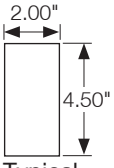
Note: UL File Number E31999. CSA File Number LR702145.

◆For City of Chicago approved versions, use following part numbers: HBLAFB301BASEC, HBLAFB401BASEC and HBLAFB501BASEC. Cover must be ordered separately (i.e., HBLTCGNT and HBLTCGNTBK). These versions do not include knockouts and meet construction requirements for CCEA-2000. AFB covers are reversible for both carpet recess and flush tile applications.

**Insert for flush tile applications included. Remove insert for carpet recess.*

†One faceplate required for data gang only. Cut-out for duplex receptacles included with AFB801.

Hubbell – Screw Type Face Plates**



Typical

HBLST302SGY Duplex

HBLDE301SGY Style Line® Decorator

HBLTO310SGY Toggle

HBLTL318SGY Single Receptacle (1.56" Boss Dia.)

HBLTL319SGY Single Receptacle (1.39" Boss Dia.)

HBLBL300SGY Blank

HBLIMFSGY 3-Unit Hubbell iSTATION (See Network Wiring section for module options)

HBL317SGY Hubbell 6-Port

Open Systems – Screw Type Face Plates**

HBLAM303SGY AMP-ACO

HBLAMP313SGY AMP 6-Port

HBLKR314SGY Krone®/Leviton®

HBLLT309SGY SYSTIMAX®

HBLPA308SGY Panduit Mini-Com®

HBLNO309SGY NORDX® 6-Port (Cat. 5e jacks only)

HBLSI305SGY Siemon CT® Series

HBLSI315SGY Siemon MAX® Series

HBLOR306SGY Ortronics Series II®

HBLORT322SGY Ortronics TracJack®

*Note: **Catalog numbers indicated are gray, replace "**GY**" with the following to designate color: "**BK**" for Black, "**I**" for Ivory and "**WA**" for White.*

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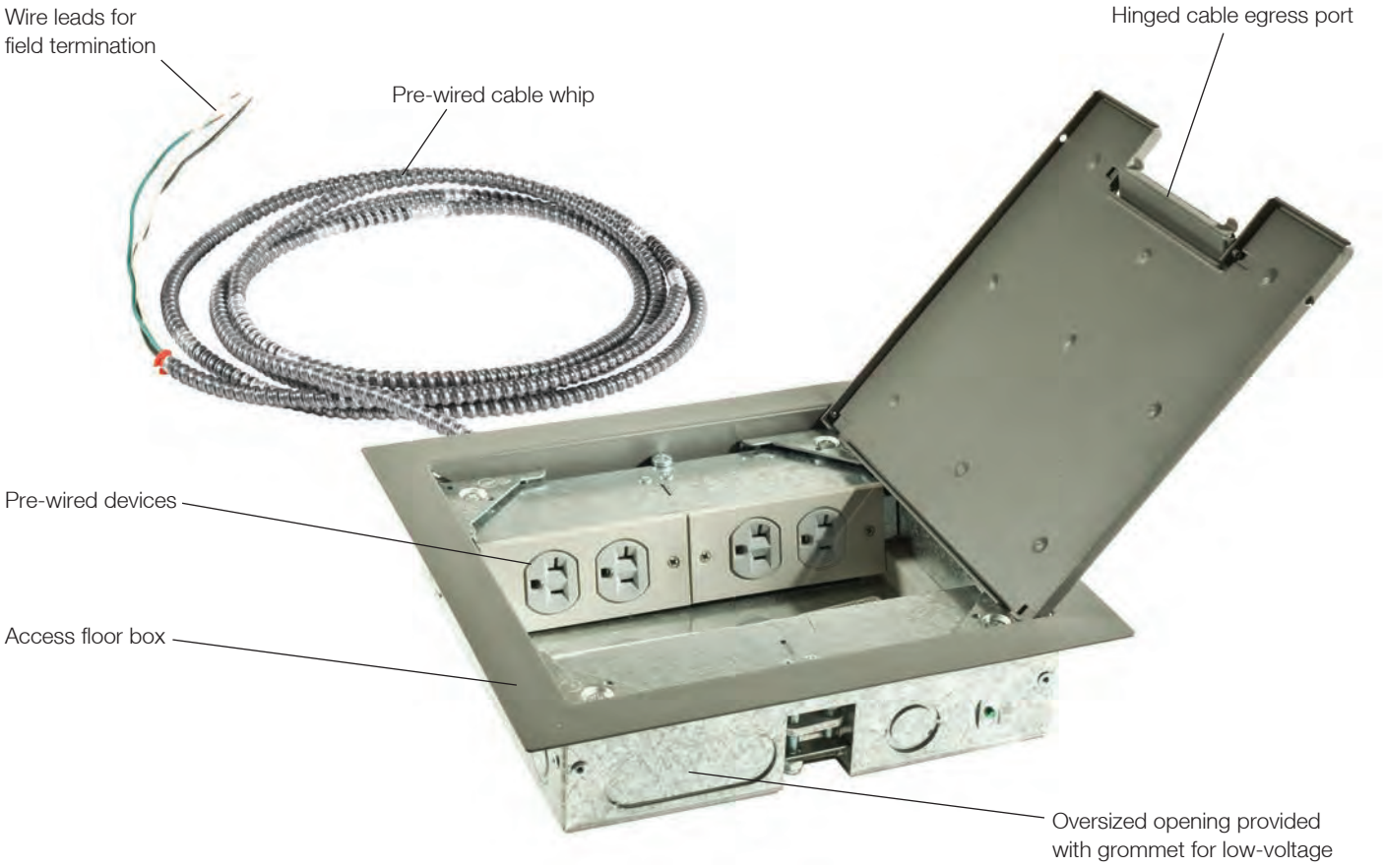
Dimensions in Inches (mm)

Custom Pre-Wired Access Floor Boxes



Features and Benefits

- Reduce job site fabrication time and installation labor.
- Reduce job site waste.
- Access Floor Box (AFBPW) pre-wired to your specifications.
  - Choose from Hubbell quality devices.
  - Single or multiple circuit wiring configurations.
  - Various cable lengths.
- AFB installs easily; no disassembly of the box and cover required.
- Pigtail terminates beneath raised floor.
- Box covers available in black or granite powder coat finish.
- Contact Hubbell Wiring Systems for ordering information.
- UL Listed Wiring Assembly, file number E305156.

Pre-Wired Raised Access Floor Box Options

Box Series	Description	Dimensions (Including Cover)	Conduit Knockouts
AFBPW101	4-Gang Deep with Non-Metallic Cover	8.94"L x 6.94"W x 5.18"H	½", ¾", 1"
AFBPW301	4-Gang Deep with Metal Cover	10.00"L x 10.00"W x 4.30"H	½", ¾", 1", 1¼"
AFBPW401	4-Gang Shallow with Metal Cover	10.00"L x 10.00"W x 2.81"H	½", ¾", 1"
AFBPW501	8-Gang Deep with Metal Cover	10.00"L x 10.00"W x 5.31"H	½", ¾", 1", 1¼"
AFBPW801	4-Gang Deep with Round Metal Cover	8.37" Diameter x 5.68"H	½", ¾", 1"

Convention Center Utility Box

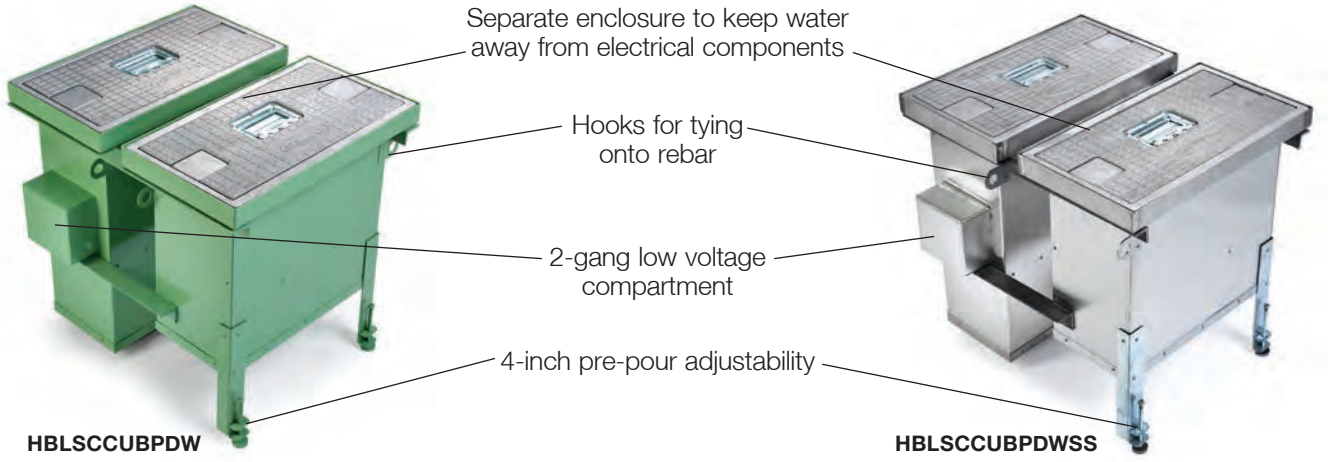
Metallic Series

Painted Galvanized Steel Box (14 Gauge G90)

Cost effective, corrosion resistant paint. Suitable for both on and above-grade applications.

Stainless Steel Box (14 Gauge 304)

Corrosion resistant enclosure suitable for both on and above-grade applications.



HBLSCCUBPDW **HBLSCCUBPDWSS**

Features	Benefits
UL Listed and CSA Certified	Third party approved and certified.
Heavy Duty Covers	32,000 lb. load capacity with 2x safety factor.
Scrub Water	Meets UL514 requirements for scrub water and prevents water, dirt and debris from entering the electrical devices.
Custom Built Panels	Accepts a wide variety of electrical configurations including 100A pin and sleeve, 30A Twist-Lock®, straight blade devices and circuit breakers available.
Separate Enclosure for Compressed Air and Water Utilities	Prevents air and water utilities from coming in contact with electrical services.

Metallic Convention Center Utility Boxes*

Painted Galvanized Steel Box Description	Catalog Number
Steel Convention Center Utility Box with Cover for Power and Data/Communications.	**HBLSCCUBPD**
Steel Convention Center Utility Box with Cover for Power, Data/Communications and Air/Water Box.	**HBLSCCUBPDW**
Steel Convention Center Utility Box with Cover for Air/Water Only.	**HBLSCCUBW**
Stainless Steel Box Description	
Steel Convention Center Utility Box with Cover for Power and Data/Communications in Stainless Steel.	**HBLSCCUBPDSS**
Steel Convention Center Utility Box with Cover for Power, Data/Communications and Air/Water Box in Stainless Steel.	**HBLSCCUBPDWSS**
Steel Convention Center Utility Box with Cover for Air/Water Only in Stainless Steel.	**HBLSCCUBWSS**

*Note: *All boxes provided with temporary galvanized steel concrete covers.*

Power and Data Panels**

Custom manufactured and pre-wired to your project specifications. Panel options include 60A pin and sleeve, 20A and 30A Twist-Lock®, 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two-gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

*Note: **Contact Hubbell for available configurations of power and data panels.*

HBLSCCUBPD

Stand Alone Power/Data Box

HBLSCCUBW

Inside View

HBLSCCUBPD

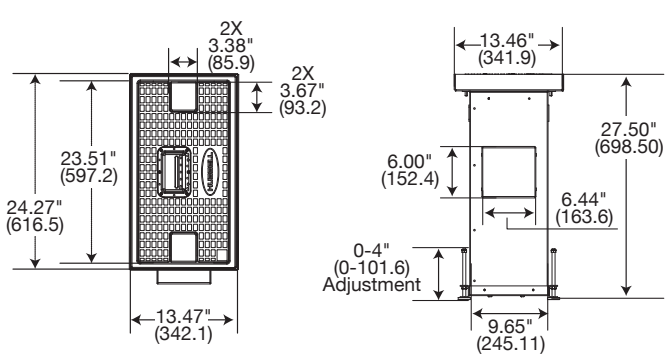
Inside View

HBLSCCUBPDSS

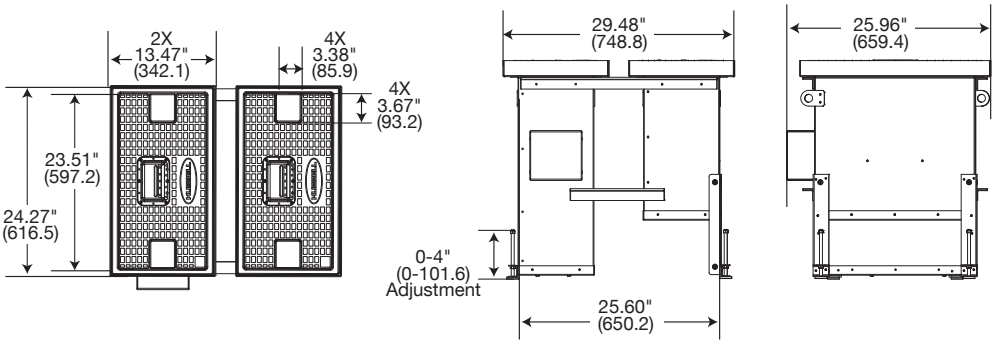
Inside View

Painted Galvanized or Stainless Steel Metallic Box

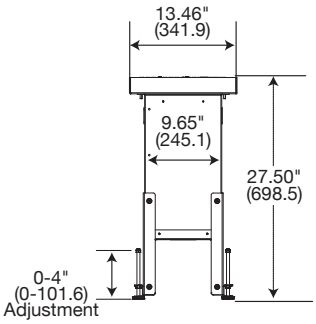
Stand Alone Power/Data
HBLSCCUBPD (Painted Galvanized)
HBLSCCUBPDSS (Stainless Steel)



Combination Power/Data/Water
HBLSCCUBPDW (Painted Galvanized)
HBLSCCUBPDWSS (Stainless Steel)

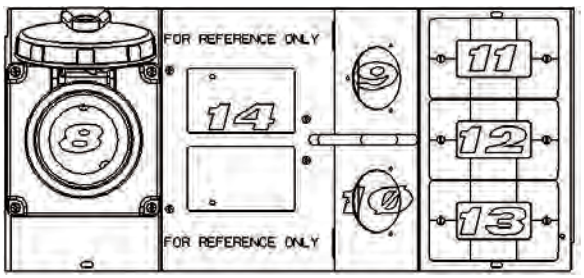


Stand Alone Water/Air Box
HBLSCCUBW (Painted Galvanized)
HBLSCCUBWSS (Stainless Steel)



Pre-Wired Power Panels

Convention Center Power Panels are custom built to order and pre-wired in the factory to make installation quick and easy. Please contact the factory to configure a power panel for your specific needs.



Position	Device Options
8	Qty. (1) Pin and Sleeve Receptacle 60A.
9 & 10	Qty. (2) Twist-Lock® Receptacles (20A or 30A).
11,12,13	Qty. (3) Duplex Receptacles (20A Standard, GFCI or Isolated Ground).
14	Load Center for Circuit Breakers, 8-Pole Positions Max.

Dimensions in Inches (mm)

This family of furniture and work surface connectivity boxes installs into conference tables and workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptops, projectors and other equipment at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.

Furniture and Work Surface Connectivity Boxes

Flush Mount Boxes
Hubbell offers square and rectangular flush mount boxes in a variety of configurations. These boxes are available in stainless steel, anodized aluminum or painted finishes to match any décor. Boxes are designed for easy installation and are available pre-wired or empty for field wiring.

Lift-up Style Boxes
Offering a convenient and attractive method for work surface power and data connections, these boxes are available in several finishes. When not in use, services are concealed by flipping the unit down.

Table Mount Boxes
The table mount series can be mounted on any work surface to provide power and data activation. Choose from a variety of mounting brackets that allow temporary or permanent mounting. Units are pre-wired for easy installation.

Table Top Boxes

Pre-Wired Boxes
Round dual-service boxes easily install into a 3½-inch diameter core hole. Power is pre-wired and keystone openings accommodate data or multi-media activation.

Pre-Wired Boxes
Configured with 15A power outlet, 15-pin feed through and 3.5mm audio jack. This unit allows for further customization by populating two keystone openings.

Low Voltage Boxes
Low voltage only units are available pre-loaded with XLR microphone jack or with keystone opening for Hubbell snap-fit modules.

Square Flush Mount Boxes

Description	Finish	Dimensions	Catalog Number
2-Gang Square Flush Mount Box with Cover.	Black	6.5"L x 6.5"W x 3.75"H	**HBLSHA2**
2-Gang Square Flush Mount Box with Cover.	Stainless Steel	6.5"L x 6.5"W x 3.75"H	**HBLSHA2BSS**

HBLSHA2

Rectangular Flush Mount Boxes

Description	Finish	Dimensions	Catalog Number
2-Gang Rectangular Flush Mount with Cover.	Black	10.75"L x 4.06"W x 3.5"H	**HBLPHA2**
2-Gang Rectangular Flush Mount with Cover.	Stainless Steel	10.75"L x 4.06"W x 3.5"H	**HBLPHA2BSS**
4-Gang Rectangular Flush Mount with Cover.	Black	10.75"L x 6.5"W x 3.5"H	**HBLPHA4**
4-Gang Rectangular Flush Mount with Cover.	Stainless Steel	10.75"L x 6.5"W x 3.5"H	**HBLPHA4BSS**

HBLPHA2

Surface Mount Boxes

Description	Finish	Dimensions	Catalog Number
2-Gang Surface Mount Box.	Black	4.19"L x 4.81"W x 2.44"H	**HBLCON2**
3-Gang Surface Mount Box.	Black	6.19"L x 4.81"W x 2.44"H	**HBLCON3**

HBLCON2

Recessed Mount Boxes

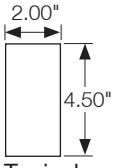
Description	Finish	Dimensions	Catalog Number
2-Gang Recessed Mount.	Black	10.25"L x 7.0"W x 5.88"H	**HBLMIR2**
4-Gang Recessed Mount.	Black	31.0"L x 10.25"W x 5.88"H	**HBLMIR4**

Under Desk Mount Boxes

Description	Finish	Dimensions	Catalog Number
2-Gang Under Desk Mount.	Black	9.19"L x 3.0"W x 2.88"H	**HBLMAR2**
3-Gang Under Desk Mount.	Black	13.69"L x 3.0"W x 2.88"H	**HBLMAR3**

HBLMIR2

Hubbell – Screw Type Face Plates



Typical

HBLST302SBK

Duplex

HBLDE301SBK

Style Line® Decorator Opening

HBLBL300SBK

Blank

HBLIMFSBK

3-Unit Hubbell iSTATION
(See Network Wiring section for module options)

HBL317SBK

Hubbell 6-Port

Note: See page O-30 for open systems screw type face plates.

HBLMAR2

Table Top Boxes

Low Voltage Only

Description	Finish	Dimensions	Catalog Number
Table Top box; 2 inch diameter hole; (1) keystone opening; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBKSBK** **TTBKSAL** **TTBKSBR**
Table Top box; 2 inch diameter hole; (1) XLR microphone jack installed.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBXLRBK** **TTBXLRAL** **TTBXLRBR**

TTBKSBK

TTBXLRBK

Pre-Wired Dual-Service

Description	Finish	Dimensions	Catalog Number
Table Top box; 3.5 inch diameter hole; (1) pre-wired 15A outlet with 9 foot power supply cord; (1) 3.5mm screw terminal audio jack; (1) 15-pin gender changer F/F; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS1BK** **TTBDS1AL** **TTBDS1BR**
Table Top box; 3.5 inch diameter hole; (2) pre-wired 15A outlets with 9 foot power supply cord; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS2BK** **TTBDS2AL** **TTBDS2BR**

TTBDS1BK

TTBDS2BK

Note: See section A for power devices and section W for datacom accessories.

Dimensions in Inches (mm)

WSBC21UBK

Square Lift-Up Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6-ft. power supply cord; 1-Unit opening for Hubbell iSTATION modules. Unit rotates up when in use and down to conceal services when not in use.	Black Silver	5.75"L x 5.39"W x 4.25"H	**WSBC21UBK** **WSBC21USV**

WSBA11BK

Square Mini Lift-Up Style

Description	Finish	Dimensions	Catalog Number
One (1) pre-wired 15A outlet with 9-ft. power supply cord; One (1) RJ-45 jack installed with 6-ft. patch cord.	Black Brushed Stainless Steel	3.7"L x 3.7"W x 2.93"H	**WSBA11BK** **WSBA11BSS**
Two (2) pre-wired 15A outlets with 9-ft. power supply cord (power only).	Black Brushed Stainless Steel	3.7"L x 3.7"W x 2.93"H	**WSBA2BK** **WSBA2BSS**

WSBD21UBK

Under Table Mount

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 9-ft. power supply cord; One (1) Low Voltage Plate included with 1-Unit opening for Hubbell iSTATION modules.	Black	6.50"L x 1.75"W x 2.25"H	**WSBD21UBK**

WSBE22SV

Work Surface Mount

Description	Finish	Dimensions	Catalog Number
One (1) pre-wired 15A outlet with 9-ft. power supply cord; One (1) Hubbell Keystone opening.	Black Silver	3.57"L x 2.19"W x 2.50"H	**WSBE11BK** **WSBE11SV**
Two (2) pre-wired 15A outlets with 9-ft. power supply cord; Two (2) Hubbell Keystone openings.	Black Silver	6.32"L x 2.19"W x 2.50"H	**WSBE22BK** **WSBE22SV**
Three (3) pre-wired 15A outlets with 9-ft. power supply cord; One (1) Low Voltage Plate included with 1-Unit opening for Hubbell iSTATION modules.	Black Silver	8.25"L x 2.19"W x 2.50"H	**WSBE31UBK** **WSBE31USV**
Mounting bracket with thumb screw (optional).	n/a	n/a	**WSBECLAMP**

WSBB23UBK

Recessed Concealed Services

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6-ft. power supply cord; One (1) Low Voltage Plate included with 1-Unit opening for Hubbell iSTATION modules; Two (2) additional 1-Unit openings provided in base of unit.	Black Brushed Anod. Alum. Brushed Stainless Steel	8.98"L x 5.47"W x 2.97"H	**WSBB23UBK** **WSBB23UBAL** **WSBB23UBSS**
Four (4) pre-wired 15A outlets with 6-ft. power supply cord; Two (2) 1-Unit opening for Hubbell iSTATION modules provided in base of unit.	Black Brushed Anod. Alum. Brushed Stainless Steel	8.98"L x 5.47"W x 2.97"H	**WSBB43UBK** **WSBB43UBAL** **WSBB43UBSS**
Empty Enclosure with one (1) duplex opening, One (1) Low Voltage Plate included with 1-Unit opening for Hubbell iSTATION modules; Two (2) additional 1-Unit openings provided in base of unit; intended for field wiring.	Black	8.98"L x 5.47"W x 2.97"H	**WSBBHWBK**

Grommet Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6-ft. power supply cord; Two (2) Hubbell Keystone openings.	Black Silver	8.62"L x 3.0"W x 2.25"H	**WSBF22BK** **WSBF22SV**
Flush Grommet Cover with dust shield.	Black Silver Brushed Aluminum Brushed Stainless Steel	5.68"L x 3.39"W x 0.96"H	**WSBFGROMBK** **WSBFGROMSV** **WSBFGROMBAL** **WSBFGROMBSS**

WSBFGROMBK

WSBFGROMSV

WSBFGROMBAL

WSBFGROMBSS

WSBF22BK

WSBFGROMSV

Pre-Wired Work Surface Elite Series

Recessed Concealed Services

Description	Finish	Dimensions	Catalog Number
Four (4) pre-wired 15A outlets with 6-ft. power supply cord; Three (3) Low Voltage Plates included with 1-Unit opening for Hubbell iSTATION modules.	Black Silver Clear Anodized Black Anodized	15.0"L x 9.0"W x 6.25"H	**WSBG43UBK** **WSBG43USV** **WSBG43UBAL** **WSBG43UBBA**

WSBG43USV
(cover doors shown open)

Pop-Up Style*

Description	Finish	Dimensions	Catalog Number
Base Unit with Four (4) pre-wired 15A outlets with 6-ft. power supply cord; Two (2) Low Voltage plates included with 1-Unit opening for Hubbell iSTATION modules.	—	8.90"L x 8.90"W x 13.9"H	**WSBH42U***
Trim Ring and Decorative Round Top.	Black	5.25" Diameter	**WSBHTRBK**
Trim Ring and Decorative Round Top.	Brushed Stainless Steel	5.25" Diameter	**WSBHTRBSS**

*Note: *WSBH42U is CSA Certified only.*

WSBH42U with
WSBHTRBK

Replacement Low Voltage Data Plates

Description	Finish	Dimensions	Catalog Number
Non-metallic low voltage plate, blank.	Black	3.18"L x 1.88"W	**WSBPLATE1**
Non-metallic low voltage plate, 1-Unit Hubbell iSTATION cut-out.	Black	3.18"L x 1.88"W	**WSBPLATE2**

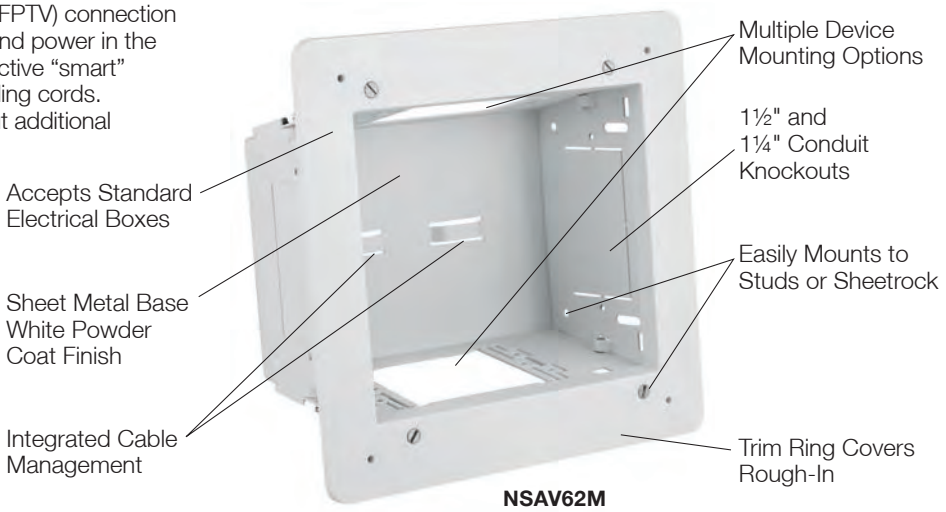
WSBPLATE1

WSBPLATE2

AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- Optional screw on cover reduces tampering
- cULus 1863 Listed



NSAV62M

NSAV6C

NSOKPS

NS801W

NSJ6W

SFHC14W

FPTV Connection Enclosure

Description	Color	Catalog Number
2-Gang In-Wall Enclosure	White	**NSAV62M**
Steel Cover for NSAV6 series	White	**NSAV6C**

Power Kits (For use with NSAV62M only)

Description	Color	Catalog Number
Standard Power Kit	White	**NSOKPTR**
Surge Protected Power Kit	Blue	**NSOKPS**

AV Connectors and Plates

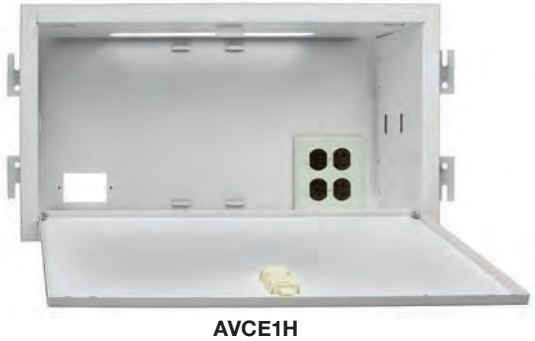
Description	Color	Catalog Number
1-Gang Blank Plate	White	**NP14W**
1-Gang Decorator Plate	White	**NP26W**
1-Gang iSTATION Plate	White	**IMF1W**
1-Gang 4-Port Keystone Plate	White	**NSP14W**
1-Port HDMI Frame	White	**NS801W**
2-Port HDMI Frame	White	**NS802W**
HDMI Snap Fit	White	**SFHC14W**
F-Connector Snap Fit	White	**NSF70W**
USB A-to-B Snap Fit	White	**SFUSBABW**
Cat 6 Snap Fit Jack	White	**NSJ6W**

Note: See Network Wiring section for other connector options.

AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation



AVCE1H

AV Ceiling Enclosure

Description	Enclosure Dimensions	Color	Plenum	Non-Plenum
AV Ceiling Enclosure	24" (610) x 12" (305) x 8" (203)	White	**AVCE1P**	**AVCE1H**

Large Capacity 113.3 Cubic Inch Wall Box

Description	Dimensions	Knockouts Sides	Knockouts Back	Catalog Number
Square 2- or 3-gang wall box	4 11/16"H x 7¾"W x 3¼"D	(4) ½" – ¾" TKO, (4) ¾" – 1" TKO, (1) 1" – 1¼" TKO, (2) ¾" – 2" conc. KO	(2) ½" – ¾" TKO; (2) ¾" – 1" TKO, (2) 1" – 1¼" TKO	**HBL263**

HBL263

3-Gang Cover/Mud Rings

Description	Compatible with	Capacity (cu. in.)	Catalog Number
½" height	HBL263	10.3	**HBL792**
¾" height		12.7	**HBL793**
1¼" height		24.2	**HBL794**

HBL792

HBL793

HBL794

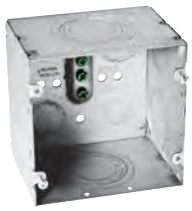
Low Voltage Partition

Description	Compatible with	Compatible Mud Ring Depth	Packing Quantity	Catalog Number
Low voltage partition	HBL260 and HBL263	½", ¾" and 1¼"	1	**HBL981**

HBL981

Large Capacity 66.7 Cubic Inch Wall Box

Description	Dimensions	Knockouts Sides	Knockouts Back	Catalog Number
Square 2-gang wall box	4 11/16"H x 4 11/16"W x 3¼"D	(2) ¾" – 1" TKO; (2) 1" – 1¼" TKO; (2) ¾" – 2" conc. KO	(2) ¾" – 1" TKO	**HBL260**



HBL260

Low Voltage Partition

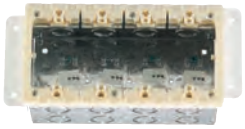
Description	Compatible with	Compatible Mud Ring Depth	Packing Quantity	Catalog Number
Low voltage partition	HBL260 and HBL263	½", ¾" and 1¼"	1	**HBL981**

HBL981

1-Gang

2-Gang

3-Gang


4-Gang

6-Gang

Multi-Service Recessed Wall Boxes for Drywall Applications

Description	Catalog Number
Multi-service recessed wall box, 1-gang, for drywall applications.	**HBLWSCS1**
Multi-service recessed wall box, 2-gang, for drywall applications.	**HBLWSCS2A**
Multi-service recessed wall box, 3-gang, for drywall applications.	**HBLWSCS3A**
Multi-service recessed wall box, 4-gang, for drywall applications.	**HBLWSCS4A**
Multi-service recessed wall box, 6-gang, for drywall applications.	**HBLWSCS6A**
Barrier for use with above boxes when used in multi-service applications.	**HBLSCSBW**

Wall Box Flanges – Trim Rings

Color	For 1-Gang Box	For 2-Gang Box	For 3-Gang Box	For 4-Gang Box	For 6-Gang Box
Black	**HBLTRIM1WBK**	**HBLTRIM2WBK**	**HBLTRIM3WBK**	**HBLTRIM4WBK**	**HBLTRIM6WBK**
Gray	**HBLTRIM1WGY**	**HBLTRIM2WGY**	**HBLTRIM3WGY**	**HBLTRIM4WGY**	**HBLTRIM6WGY**
Ivory	**HBLTRIM1WI**	**HBLTRIM2WI**	**HBLTRIM3WI**	**HBLTRIM4WI**	**HBLTRIM6WI**
White	**HBLTRIM1WWA**	**HBLTRIM2WWA**	**HBLTRIM3WWA**	**HBLTRIM4WWA**	**HBLTRIM6WWA**

Note: See table below for dimensional Information.

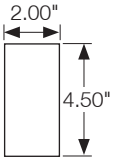
Multi-Connect – Dimensional Information

Catalog Number	Height	Width	Depth	Gangs
HBLWSCS1	4.44" (112.8)	2.56" (65.0)	2.75" (69.8)	1
HBLWSCS2A	4.44" (112.8)	4.56" (115.8)	2.75" (69.8)	2
HBLWSCS3A	4.44" (112.8)	6.56" (166.6)	2.75" (69.8)	3
HBLWSCS4A	4.44" (112.8)	8.56" (217.4)	2.75" (69.8)	4
HBLWSCS6A	4.44" (112.8)	12.56" (319.0)	2.75" (69.8)	6
HBLTRIM1W	6.75" (171.4)	4.25" (107.9)	.25" (6.3)	1
HBLTRIM2W	6.75" (171.4)	6.25" (158.7)	.25" (6.3)	2
HBLTRIM3W	6.75" (171.4)	8.25" (209.5)	.25" (6.3)	3
HBLTRIM4W	6.75" (171.4)	10.25" (260.3)	.25" (6.3)	4
HBLTRIM6W	6.75" (171.4)	13.25" (336.5)	.25" (6.3)	6

Top and Bottom Knockouts

Quantity	Size
1	½", ¾"
1	½", ¾"
2	½", ¾"
1	½", ¾"
3	½", ¾"
—	—
—	—
—	—
—	—
—	—

Hubbell – Screw Type Face Plates*



Typical

HBLST302SGY

Duplex

HBLDE301SGY

Style Line® Decorator

HBLTO310SGY

Toggle

HBLTL318SGY

Single Receptacle (1.56" Boss Dia.)

HBLTL319SGY

Single Receptacle (1.39" Boss Dia.)

HBLBL300SGY

Blank

HBLIMFSGY

3-Unit Hubbell iSTATION (See Network Wiring section for module options)

HBL317SGY

Hubbell 6-Port

Open Systems – Screw Type Face Plates*

HBLAM303SGY

AMP-ACO

HBLAMP313SGY

AMP 6-Port

HBLKR314SGY

Krone®/Leviton®

HBLLT309SGY

SYSTIMAX®

HBLPA308SGY

Panduit Mini-Com®

HBLNO309SGY

NORDX® 6-Port (Cat. 5e jacks only)

HBLSI305SGY

Siemon CT® Series

HBLSI315SGY

Siemon MAX® Series

HBLOR306SGY

Ortronics Series II®

HBLORT322SGY

Ortronics TracJack®

*Note: *Catalog numbers indicated are gray, replace "**GY**" with the following to designate color: "**BK**" for Black, "**I**" for Ivory and "**WA**" for White.*

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Section P

Fire-Rated Poke-Throughs for Concrete Floors

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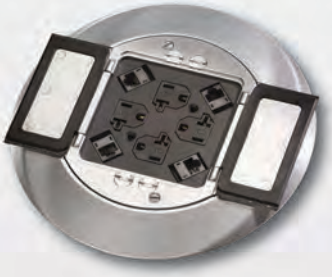
Hubbell SystemOne Recessed 8 Inch

Hubbell SystemOne Recessed 6 Inch

Hubbell SystemOne Multi-Service Application

Hubbell SystemOne 4x4 Application



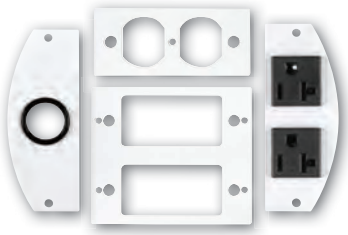
Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhances functionality providing increased power, data and audio visual capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

Hubbell SystemOne FRPTs for 8" Core Hole Applications...

High Capacity Multimedia Applications
Sub-plate layout for the center three gangs of the eight inch FRPT allows for maximum audio visual capacity. The NEMA spacing allows the product flexibility to easily accept 3rd party products.

High Capacity Multimedia Applications
Perimeter sub plates for the eight inch FRPT help compliment the audio visual or data in the center three gangs. Additionally these plates can be exchange for other low voltage compatible plates.

8 Inch Recessed Access



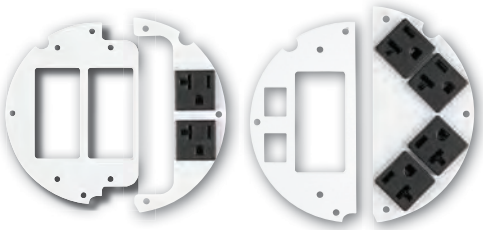
Center Sub-Plates
with Outer Sub-plates

Hubbell SystemOne FRPTs for 6" Core Hole Applications...

60/40 6" Sub-Plate Split
An Industry first, the 60/40 sub-plate layout allows for unmatched capacity with up to 12 keystone jacks and one 20A duplex.

50/50 6" Sub-Plate Split
Two duplexes with ample audio/video and data are achieved by using the 50/50 sub-plate layout. Additionally this layout will accommodate two Style Line® devices for GFCI, surge, etc. applications.

6 Inch Recessed Access



60/40 split
Sub-Plates

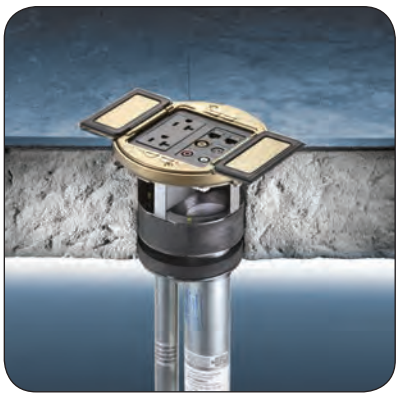
50/50 split
Sub-Plates

Hubbell Fire-Rated Poke-Throughs

Features and Benefits

Featuring the innovative SystemOne product line, Hubbell's offering of Fire-Rated Poke-Throughs (FRPT) products provide installers with a broad range of options to support a wide array of connections. Hubbell SystemOne flush FRPTs install in a 4" core hole and provide users the flexibility to create personal solutions for their most demanding applications.

Hubbell SystemOne FRPTs for 4" Core Hole Applications…



Multi-Service Applications
This Hubbell SystemOne sub-plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.

Multimedia Applications
Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's audio/video products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series audio/video modules.

4X4 Applications
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and audio/video connectors.

Traditional FRPTs for 3" and 2" Core Hole Applications…

Flush Applications
Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 5e data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.

Pedestal Applications
Hubbell offers single and multi- service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2-, 4- or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3 Inch core hole.

Furniture Feed Applications
Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

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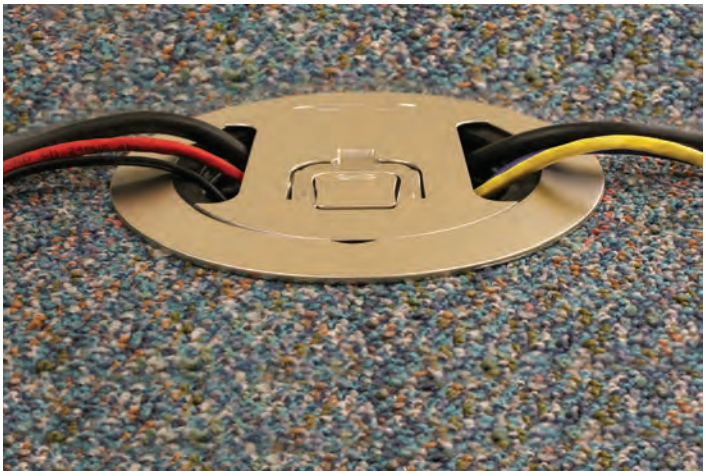
Hubbell SystemOne Recessed Systems Features and Benefits

Safety

- Low profile flange, 0.150", is better than ADA requirements
- Hide-away egress doors fold under cover while in use
- 180° opening of main door



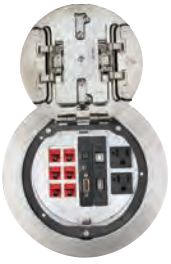
Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Dirt ingress reduced by egress door brushes
- Exceeds UL 514A Scrub Requirements with ScrubShield technology
- Easy selection with common flange for all floor types

Value

- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers

6 Inch Sub-Plate Features



60/40 Device Plate Combination

- Allows for a wide array of data and audio visual connectivity with a 20A duplex receptacle
- The two plates can be independently wired

50/50 Device Plate Combination

- Accommodates up to two 20A duplex receptacles with eight data or audio visual connections
- The two plates can be independently wired

8 Inch Sub-Plate Features

Center Plate Configurations

- Allows for three duplex receptacles or up to 18 data and or audio visual jacks
- Open architecture sub-plate design accommodates FSR®, Extron®, Crestron®, etc.
- NEMA spacing between devices
- All plates can be independently wired

Outer Plate Configurations

- Available in pre-wired 20A duplex receptacles or data/AV plates
- Multiple 20A duplex receptacles can be wired to a common circuit or independently

On-line Resources

- BIM models, customer drawings and technical specifications are available on *www.hubbell-wiring.com*

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FSR® is a registered trademark of FSR Inc.

STEP 1: Select Poke Through

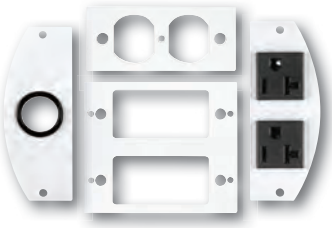
8 Inch Recessed Access

6 Inch Recessed Access

6 Inch Furniture Feed

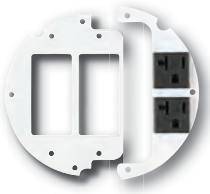
STEP 2: Select Sub-Plates

8 Inch Recessed Access



Center Sub-Plates
with Outer Sub-plates

6 Inch Recessed Access



60/40 split
Sub-Plates

50/50 split
Sub-Plates

Note: Furniture feed model does not use sub-plates.

STEP 3: Select Cover Finishes

Black
Powder Coat

Bronze
Plated Finish

Brushed
Brass Plated

Satin
Nickel Plated

Brushed
Aluminum

Recommended Fire-Rated Poke-Through Size Chart

To avoid over or under utilizing the capacity of the fire-rated poke-through, first determine how many gangs of power, data and AV are required for the application. The matrix below will guide you to the correct poke-through size.

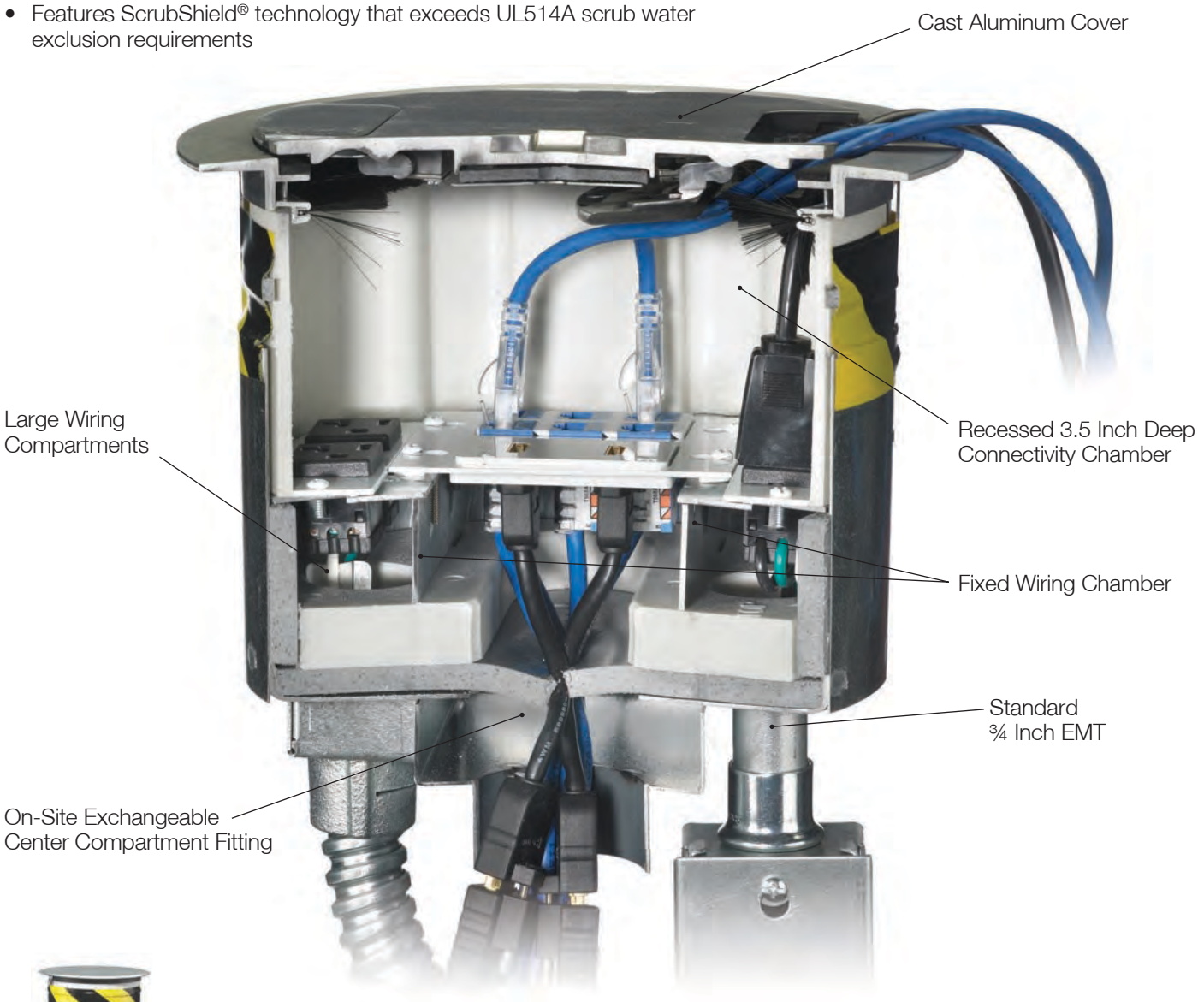
		Recommended Fire-Rated Poke-Through Size					
POWER GANGS	5	8"	Exceeds capacity				
	4	8"	8"	of Hubbell recessed			
	3	6"	8"	8"	poke-throughs		
	2	6"	6"	8"	8"		
	1	6"	6"	6"	8"	8"	
	0	—	6"	6"	8"	8"	8"
		0	1	2	3	4	5
		DATA AND AV GANGS					

Example: 2 gangs of power, 1 gang of AV and 1-gang of data is required.
Find the intersection for 2 power gangs with 2 data/AV gangs.
The highlighted intersection defines the recommended FRPT.

Hubbell SystemOne Recessed Systems
8 Inch Fire-Rated Poke-Through Fittings

ScrubShield® Complies with UL514A

- Step down installation
- Maintains concrete floor fire rating up to two hours
- Junction box standard
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrub water exclusion requirements



S1R8PTFIT1

S1R8PTFIT2

S1R8PTFIT3

8 Inch Fire-Rated Poke-Through

Description	Catalog Number
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT.	**S1R8PTFIT1**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT.	**S1R8PTFIT2**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT.	**S1R8PTFIT3**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (2) 1inch EMT and (1) 1½ inch EMT. No Junction box or flexible metal conduit.	**S1R8PTFIT1CHI**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT. No Junction box or flexible metal conduit.	**S1R8PTFIT2CHI**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT. No Junction box or flexible metal conduit.	**S1R8PTFIT3CHI**

Note: See page P-22 for technical information.

Center Plate Configurations

- Allows for 3 duplexes or up to 18 data/ AV jacks. Other combinations possible
- Accepts third party AV devices (i.e. FSR®, Crestron®, Extron®)
- Standard NEMA spacing between devices

Outer Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV Devices
- Multiple duplexes can be wired in the supplied junction box or independently

Center Sub-Plates - Single Gang

Description	Catalog Number	Description	Catalog Number
Blank cover plate	**S1R8CSPB**	(2) Extron® MAAP openings	**S1R8CSPC**
(1) 1 unit Hubbell iSTATION opening	**S1R8CSPD**	(1) 1.5 unit Hubbell iSTATION opening (See section W for modules)	**S1R8CSPE**
(1) 1.60" opening for 20A & 30A Twist-Lock®	**S1R8CSPG**	(1) Duplex opening	**S1R8CSPI**
(1) 1.40" opening for simplex or 15A Twist-Lock®	**S1R8CSPJ**	(1) Style Line® Decorator opening	**S1R8CSPK**

Center Sub-Plates - Two and Three Gang

Two gang; (4) Extron® AAP openings	**S1R8CSPA**	Two gang; 3 unit Hubbell iSTATION opening (See section W for modules)	**S1R8CSPL**
Two gang; (2) Style Line® Decorator openings	**S1R8CSPM**	Two gang; device depth extension collar (for use with 3rd party data up to 2.5" depth or two power receptacles)	**S1R8CSPEXT**
Three gang; blank cover plate	**S1R8CSPN**		

Note: Rectangle sub-plates are for center compartment, crescent sub-plates are for outer compartments and are not inter-changeable

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Outer Sub-Plates

Description	Catalog Number	Description	Catalog Number
Blank cover plate	**S1R8PSPU**	Single Extron® MAAP opening	**S1R8PSPV**
Pull through with 1" bushing opening	**S1R8PSPW**	Single Extron® MAAP opening	**S1R8PSPX**
(1) 1 unit Hubbell iSTATION opening (See section W for modules)	**S1R8PSPY**	Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker)	**S1R8PSPZ**

Recessed 8 Inch Cover

Single Piece 8 Inch FRPT Cover Assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware.

Finish	Catalog Number
Brushed Aluminum	**S1R8CVRALU**
Black Powder Coat	**S1R8CVRBLK**
Brushed Brass Plated	**S1R8CVRBRS**
Bronze Plated Finish	**S1R8CVRBRZ**
Satin Nickel Plated	**S1R8CVRNKL**

8 Inch Accessories

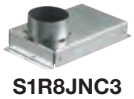
Description	Catalog Number
Pre-pour tube, includes hardware	**S1R8PPT***
Abandonment plate, black finish	**S1R8ADMTBK**
Low voltage replacement divider	**S1R8DIV**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector	**S1FRPTJB**

S1R8PPT

S1FRPTJB

S1R8JNC1

S1R8JNC2



S1R8JNC3

Replacement Fitting Box

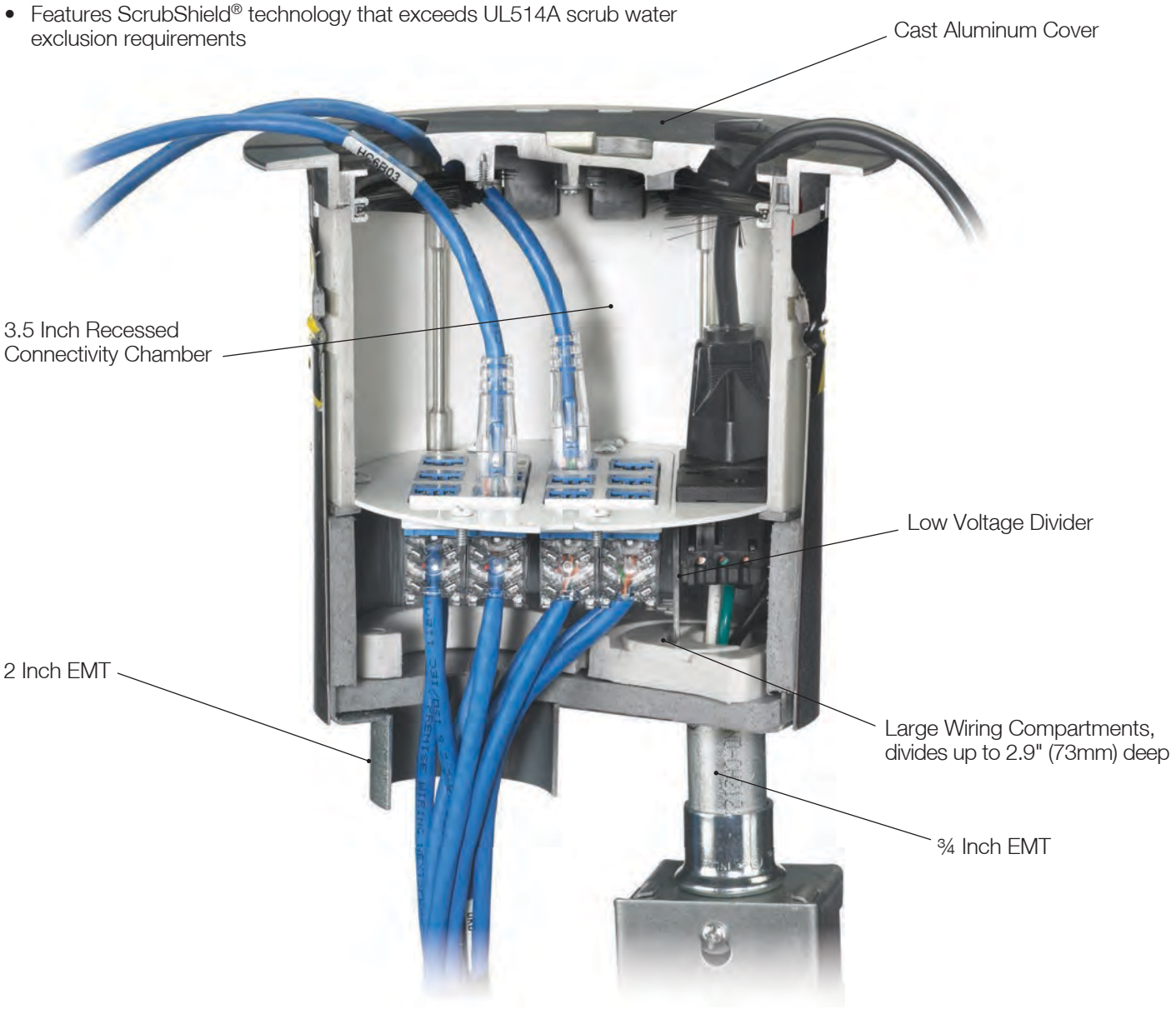
	Catalog Number
(1) 1 inch & (1) 1½ inch EMTs	**S1R8JNC1**
(2) 1 inch EMTs	**S1R8JNC2**
(1) 2 inch EMT	**S1R8JNC3**

*Note: *Not UL Listed.*

Hubbell SystemOne Recessed Systems
6 Inch Fire-Rated Poke-Through Fittings

ScrubShield® Complies with UL514A

- Step down installation
- Maintains concrete floor fire rating up to two hours
- Junction box standard
- Includes (1) 2 inch data/AV EMT and (1) ¾ inch power EMT
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrub water exclusion requirements



S1R6PTFIT

S1R6PTFITCHI

6 Inch Fire-Rated Poke-Through

Description	Catalog Number
6 Inch Fire-Rated Poke-Through	**S1R6PTFIT**
6 Inch Fire-Rated Poke-Through; for use in the City of Chicago	**S1R6PTFITCHI**

Note: See page P-23 for technical information.

60/40 Device Plate Combination

- Allows for up to twelve data/AV jacks plus a 20A duplex receptacle
- Two plates which can be wired independently

50/50 Device Plate Combination

- Allows for up to eight Hubbell data jacks plus two 20A duplex receptacles
- Two plates which can be wired independently

Left 60% Sub-Plates

Description	Catalog Number	Description	Catalog Number
(1) Style Line® Decorator and (2) Extron® MAAP openings, left side only	**S1R6SPV**	(1) Style Line® Decorator and (2) Extron® AAP openings, left side only	**S1R6SPX**
(2) Style Line® Decorator openings, left side only	**S1R6SPW**	(1) Style Line® Decorator and (2) 1.5 unit Hubbell iSTATION openings, left side only (See section W for modules)	**S1R6SPY**

Right 40% Sub-Plates

(2) 20A pre-wired receptacles; 16 inch lead; one circuit, right side only (Supplied with isolated ground sticker)	**S1R6SPZ**	(2) 20A pre-wired receptacles; 25 foot lead; one circuit, right side only (Supplied with isolated ground sticker)	**S1R6SPZ25**

Recessed 6 Inch Cover

6 Inch Fire-Rated Poke-Through cover assembled unit includes solid cast aluminum construction, carpet gasket and mounting hardware.

Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	**S1R6CVRALU**	**S1R6FFCVRALU**
Black Powder Coat	**S1R6CVRBLK**	**S1R6FFCVRBLK**
Brushed Brass Plated	**S1R6CVRBRS**	**S1R6FFCVRBRS**
Bronze Plated Finish	**S1R6CVRBRZ**	**S1R6FFCVRBRZ**
Satin Nickel Plated	**S1R6CVRNKL**	**S1R6FFCVRNKL**

6 Inch Accessories

Description	Catalog Number
Pre-pour tube, including hardware	**S1R6PPT***
Abandonment plate, black finish	**S1R6ADMTBK**
Low voltage replacement divider	**S1R6DIV**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector	**S1FRPTJB**

S1R6PPT

S1FRPTJB

	2 Inch	¾ Inch
Replacement furniture feed fitting	**S1RFFFIT2**	**S1RFFFIT075**
Replacement plugs	2 Inch	¾ Inch
Aluminum	**S1RPLUG2ALU**	**S1RPLUG075ALU**
Black	**S1RPLUG2BLK**	**S1RPLUG075BLK**
Brass	**S1RPLUG2BRS**	**S1RPLUG075BRS**
Bronze	**S1RPLUG2BRZ**	**S1RPLUG075BRZ**
Nickel	**S1RPLUG2NKL**	**S1RPLUG075NKL**

*Note: *Not UL Listed.*

Left 50% Sub-Plates

Description	Catalog Number	Description	Catalog Number
(3) Extron® AAP plate openings, left side only	**S1R6SPA**	Blank cover plate, left side only	**S1R6SPB**
(5) Extron® MAAP plate openings, left side only	**S1R6SPC**	(4) 1 unit Hubbell iSTATION openings, left side only (See section W for modules)	**S1R6SPD**
(1) Style Line® Decorator and (2) Hubbell keystone openings, left side only	**S1R6SPE**	(2) 1.5 unit Hubbell iSTATION openings, left side only (See section W for modules)	**S1R6SPF**
(3) Extron® MAAP openings and (2) Hubbell keystone jack openings, left side only	**S1R6SPL**	(1) Style Line® Decorator opening, left side only	**S1R6SPM**

Right 50% Sub-Plates

(1)1.60 inch opening for 20A and 30A Twist-Lock®, right side only	**S1R6SPG**	(4) 20A pre-wired receptacles; 16 Inch leads; one or two circuits, right side only (Supplied with isolated ground sticker)	**S1R6SPH**
(1) Duplex device opening, right side only	**S1R6SPI**	(1) 1.40 inch opening for simplex or 15A Twist-Lock®, right side only	**S1R6SPJ**
(1) Style Line® Decorator device opening, right side only	**S1R6SPK**		

Note: Sub-plates can not be rotated to create additional layouts. When assembled, sub-plates can not overlap.
Custom Plates available upon request and may be subject to minimum order quantity.

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One-Piece Pre-Wired 8 Inch Fire-Rated Poke-Through

Assembled unit includes:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (4) 20A, prewired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

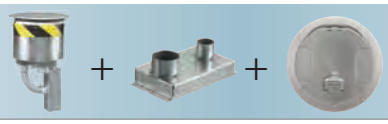
Receptacles feature single circuit wiring

Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ1ALU**
Black Powder Coat	**S1R8PTZZ1BLK**
Brass Plated	**S1R8PTZZ1BRS**
Bronze Plated Finish	**S1R8PTZZ1BRZ**
Nickel Plated	**S1R8PTZZ1NKL**

One-Piece 8 Inch Fire-Rated Poke-Through

Assembled unit includes:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Finish	Catalog Number
Brushed Aluminum	**S1R8PT1ALU**
Black Powder Coat	**S1R8PT1BLK**
Brass Plated	**S1R8PT1BRS**
Bronze Plated Finish	**S1R8PT1BRZ**
Nickel Plated	**S1R8PT1NKL**



One-Piece Pre-Wired 8 Inch Fire-Rated Poke-Through

Assembled unit includes:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

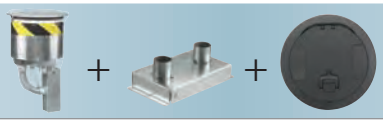
Receptacles feature single circuit wiring

Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ2ALU**
Black Powder Coat	**S1R8PTZZ2BLK**
Brass Plated	**S1R8PTZZ2BRS**
Bronze Plated Finish	**S1R8PTZZ2BRZ**
Nickel Plated	**S1R8PTZZ2NKL**

One-Piece 8 Inch Fire-Rated Poke-Through

Assembled unit includes:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Finish	Catalog Number
Brushed Aluminum	**S1R8PT2ALU**
Black Powder Coat	**S1R8PT2BLK**
Brass Plated	**S1R8PT2BRS**
Bronze Plated Finish	**S1R8PT2BRZ**
Nickel Plated	**S1R8PT2NKL**



One-Piece Pre-Wired 8 Inch Fire-Rated Poke-Through for Data AV

Assembled unit includes:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (4) 20A, prewired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with one 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

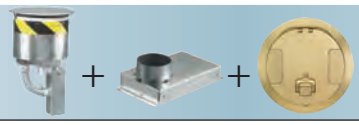
Receptacles feature single circuit wiring

Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ3ALU**
Black Powder Coat	**S1R8PTZZ3BLK**
Brass Plated	**S1R8PTZZ3BRS**
Bronze Plated Finish	**S1R8PTZZ3BRZ**
Nickel Plated	**S1R8PTZZ3NKL**

One-Piece 8 Inch Fire-Rated Poke-Through

Assembled unit includes:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (1) Fitting connection box with (1) 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Finish	Catalog Number
Brushed Aluminum	**S1R8PT3ALU**
Black Powder Coat	**S1R8PT3BLK**
Brass Plated	**S1R8PT3BRS**
Bronze Plated Finish	**S1R8PT3BRZ**
Nickel Plated	**S1R8PT3NKL**



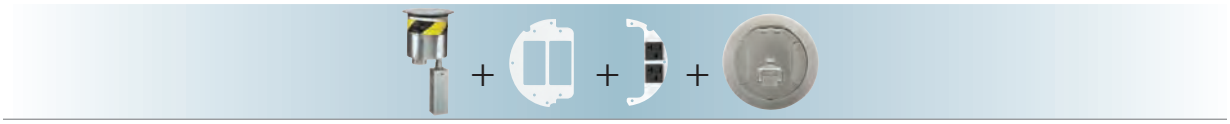
Note: xx indicates finish options.

One-Piece Pre-Wired 60/40 Split 6 Inch Fire-Rated Poke-Through for Data AV

Assembled unit includes:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (2) Decorator opening sub-plate (S1R6SPW)
- (2) 20A, pre-wired receptacle with 18 inch wire leads (S1R6SPZ)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Receptacles feature single circuit wiring.

Finish	Catalog Number
Brushed Aluminum	**S1R6PTWZALU**
Black Powder Coat	**S1R6PTWZBLK**
Brass Plated	**S1R6PTWZBRS**
Bronze Plated Finish	**S1R6PTWZBRZ**
Nickel Plated	**S1R6PTWZNKL**

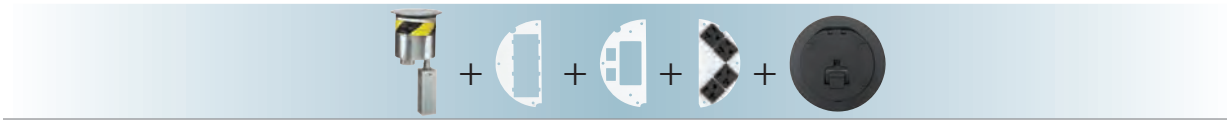


One-Piece Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Data AV

Assembled unit includes:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (4) 1 Unit Hubbell iSTATION openings (S1R6SPD)
- (1) Decorator opening and (2) keystone openings (S1R6SPE)
- (4) 20A pre-wired receptacles (S1R6SPH)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

Finish	Catalog Number
Brushed Aluminum	**S1R6PTDEHALU**
Black Powder Coat	**S1R6PTDEHBLK**
Brass Plated	**S1R6PTDEHBRS**
Bronze Plated Finish	**S1R6PTDEHBRZ**
Nickel Plated	**S1R6PTDEHNKL**

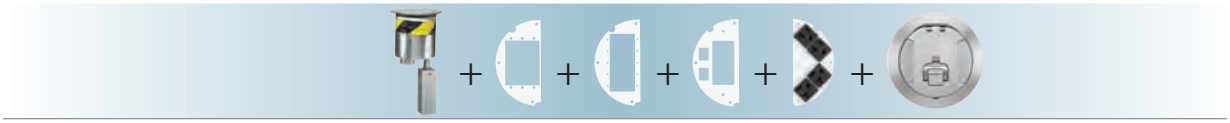


One-Piece Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Third Party Devices

Assembled unit includes:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (3) Extron® AAP openings (S1R6SPA)
- (5) Extron® MAPP openings (S1R6SPC)
- (1) Decorator opening and (2) Hubbell keystone openings (S1R6SPE)
- (4) 20A pre-wired receptacles (S1R6SPH)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

Finish	Catalog Number
Brushed Aluminum	**S1R6PTACEHALU**
Black Powder Coat	**S1R6PTACEHBLK**
Brass Plated	**S1R6PTACEHBRS**
Bronze Plated Finish	**S1R6PTACEHBRZ**
Nickel Plated	**S1R6PTACEGNKL**



One-Piece 6 Inch Fire-Rated Poke-Through with Finished Cover

Assembled unit includes:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Finish	Catalog Number
Brushed Aluminum	**S1R6PTALU**
Black Powder Coat	**S1R6PTBLK**
Brass Plated	**S1R6PTBRS**
Bronze Plated Finish	**S1R6PTBRZ**
Nickel Plated	**S1R6PTNKL**

One-Piece 6 Inch Fire-Rated Poke-Through for Furniture Feed Applications

Assembled unit includes:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch furniture feed flange and cover assembly (S1R6FFCVRxx)
- (1) 2 inch conduit fitting (S1RFFFIT2)
- (1) ¾ inch conduit fitting (S1RFFFIT075)

Finish	Catalog Number
Brushed Aluminum	**S1R6PTFFALU**
Black Powder Coat	**S1R6PTFFBLK**
Brass Plated	**S1R6PTFFBRS**
Bronze Plated Finish	**S1R6PTFFBRZ**
Nickel Plated	**S1R6PTFFNKL**

Note: xx indicates finish options.

Extron® is a registered trademark of Extron Electronics.

4 Inch Core Through Floor Fittings

- Step down installation clips allow the fitting to be installed or removed from the floor above
- Fire barrier expands during fire conditions to maintain the floor's fire rating
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 in.
- Oversized EMT conduit tubes for increased cable capacity

Features

c UL us LISTED

- Accepts all Hubbell SystemOne covers and sub-plates
- Excellent solution for retrofit and new construction
- Delivers power, voice, data and multimedia
- UL listed for use in 1 – 4 hour fire rated floors at 100% rated fill
- Available with integral power junction box
- SystemOne Fire-Rated Poke-Throughs are approved for use in the City of Chicago
- UL installation spacing - minimum 2 feet on center, not more than one per 65 square feet of floor area in each span

Universal Flange and Cover Assembly

Carpet Tile

- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Throughs and Floor Boxes
- Finishes and colors available:

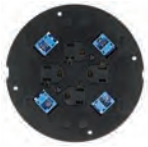
Aluminum Finish | Brass Finish | Black | Gray | Ivory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514A scrub water exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design, section 4.3.8

Hubbell SystemOne Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, additions and changes. See page P-15 for additional information.



4x4 Sub-Plate

Datacom and Power Sub-Plate

Extron® APP/MAPP and Power Sub-Plate

Dual Style Line® Decorator Sub-Plate

Twist-Lock® Sub-Plate

Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

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Hubbell SystemOne 4 Inch Core Hole, One-Piece Units

All Hubbell SystemOne 4 Inch core, one-piece units include the sub-plate and cover to simplify your order and reduce installation time. Units are also available with a power junction box installed. The junction box is also available for purchase separately.

Description	Color	Catalog Number without Junction Box	Catalog Number with Junction Box*	
One-Piece 4X4 Poke-Through Assembled-unit includes: • Hubbell SystemOne 4X4 floor fitting (S1PT4X4FIT) • 4x4 sub-plate (S1SP4X4) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Keystone openings accept Hubbell modular jacks, X-END connectors and flush multimedia snap fit connectors. Receptacles feature single or two circuit wiring and isolated ground capability.	Aluminum Finish Brass Finish Black/Brass Finish Black Gray	**S1PT4X4AL** **S1PT4X4BRS** **S1PT4X4BRS3** **S1PT4X4BL** **S1PT4X4GY**	**S1PT4X4ALJ** **S1PT4X4BRSJ** **S1PT4X4BRS3J** **S1PT4X4BLJ** **S1PT4X4GYJ**	
One-Piece Dual Style Line® Decorator Poke-Through Assembled-unit includes: • Hubbell SystemOne dual channel floor fitting (S1PTFIT) • Dual Style Line® decorator opening sub-plate (S1SP) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Style Line® decorator openings accept two Style Line® decorators or one surge or GFCI receptacle and one Style Line® decorator receptacle. Outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Fitting is 4-hr rated at 100% fill to accommodate (12) Cat. 6A cables (0.330" diameter).	Aluminum Finish Brass Finish Black Gray	**S1PTAL** **S1PTBRS** **S1PTBL** **S1PTGY**	**S1PTALJ** **S1PTBRSJ** **S1PTBLJ** **S1PTGYJ**	
One-Piece Modular AV Poke-Through Assembled-unit includes: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • 20A, 125V power and 3-unit Hubbell iSTATION sub-plate (S1SP3IM) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification The Hubbell iSTATION's recessed opening can accommodate data/voice/audio and video solutions including15-pin VGA, RCA, S-Video, 3.5mm stereo, X-END, HDMI and XLR microphone jacks.	Aluminum Finish Brass Finish Black Gray	**S1PT3IMAL** **S1PT3IMBRS** **S1PT3IMBL** **S1PT3IMGY**	**S1PT3IMALJ** **S1PT3IMBRSJ** **S1PT3IMBLJ** **S1PT3IMGYJ**	
One-Piece Furniture Feed Poke-Through Assembled-unit includes: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • Hubbell SystemOne furniture feed cover plate (S1SPFFxx) • 4-hour fire classification This solution provides one ¾ in. conduit for power and one 1½ in. conduit for low-voltage. Furnished with two screw-in flexible metal conduit connectors.	Aluminum Finish Brass Finish Black Gray	**S1PTFFAL** **S1PTFFBRS** **S1PTFFBL** **S1PTFFGY**	**S1PTFFALJ** **S1PTFFBRSJ** **S1PTFFBLJ** **S1PTFFGYJ**	

*Note: *Junction box factory installed on through floor fitting. See pages P-24 and P-25 for technical information.*

Hubbell SystemOne 4 Inch Core, Three-Piece Units

Description	Catalog Number without Junction Box	Catalog Number with Junction Box*
4X4 Through Floor Fitting Through floor fitting with two ¾ in. EMT for communications and one ¾ in. EMT for power. For use with Hubbell SystemOne universal covers and S1SP4X4 and S1SPTL series sub-plates only. Universal cover and sub-plate ordered separately. 4-hour fire classification.	**S1PT4X4FIT**	**S1PT4X4FITJ**

Dual Channel Through Floor Fitting Through floor fitting with two 1 in. EMT conduit stems to feed power and/or communication services. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.	**S1PTFIT**	**S1PTFITJ**

AV Through Floor Fitting Through floor fitting with one ¾ in. EMT conduit stem for power and one 1½ in. EMT conduit stem for communication services. Ideal for demanding, high capacity audio/video and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.	**S1PTAVFIT**	**S1PTAVFITJ**

*Note: *Junction box factory installed on through floor fitting. See pages P-24 and P-25 for technical information.*

Hubbell SystemOne Universal Cover

- Cast aluminum construction
- Durable powder coat finish

Color	Carpet	Tile
Aluminum Finish	**S1CFCAL**	**S1TFCAL**
Brass Finish	**S1CFCBRS**	**S1TFCBRS**
Black	**S1CFCBL**	**S1TFCBL**
Gray	**S1CFCGY**	**S1TFCGY**
Ivory	**S1CFCI**	**S1TFCI**

Aluminum Finish | Brass Finish | Black | Gray | Ivory

Poke Through Accessories

Description		Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.		
	Black	**S1AP4BL**
	Gray	**S1AP4GY**
Fire-Rated Closure Plug Used to seal a 4 Inch core hole when the FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1–4 hour fire rating.		
	Black	**S1FRP4BL**
	Gray	**S1FRP4GY**
Power Junction Box For use with SystemOne Fire-Rated Poke-Throughs. Provides 27.0 cubic inches. (1) ¾ and (1) 1" EMT connector supplied. Trade size knockouts: Top (1) 1 inch Bottom (1) ¾ inch Sides (2) ½ inch (1) ¾ inch		
		S1FRPTJB

Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications.	 **S1SP**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. 24" wire leads.	 **S1SP4X4**
Provided with 15 ft. wire leads Provided with 30 ft. wire leads	**S1SP4X415** **S1SP4X430**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.	 **S1SPTL**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	 **S1SPSL2IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates.	 **S1SPEXT1**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone and recessed opening for (2) single Extron® AAP Series adapter plates.	 **S1SPEXT4**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity.	 **S1SP4X4PA**

Description	Catalog Number
Duplex/Duplex (2) Duplex openings for power and/or datacom applications.	 **S1SPDU**
Carpet Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal cover not required. Includes carpet flange.	
Aluminum Fin. Brass Fin. Black Gray	**S1SPFFAL** **S1SPFFBRS** **S1SPFFBL** **S1SPFFGY**
Hubbell DataCom + Power (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.	 **S1SP3IM**
Hubbell DataCom 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.	 **S1SP4IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.	 **S1SPEXT2**
Ortronics Series II® + Power (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules.	 **S1SPORT**
SYSTIMAX® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity.	 **S1SP4X4SYS**

Description	Catalog Number
Duplex/Style Line® Decorator (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications.	 **S1SPDUSL**
Tile Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal cover not required. Includes tile flange.	
Aluminum Fin. Brass Fin. Black Gray	**S1SPFFTAL** **S1SPFFTBRS** **S1SPFFTBL** **S1SPFFTGY**
Hubbell DataCom + Duplex (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	 **S1SPDU2IM**
Active Multimedia + Power Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames.	 **S1SPAMM20**
Extron® or FSR Single-Service Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.	 **S1SPEXT3**
Ortronics TracJack® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules.	 **S1SPTRAC**
Siemon MAX® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules.	 **S1SPMAX**

*Note: *Furnished with two screw-in flexible metal conduit connectors. See Network Wiring section for complete offering of Hubbell jacks and frames.*
See page P-16 for FRPT Configuration Chart.
See section W for datacom accessories.

Sub-Plate Accessories

Description	Color	1½" Plug	¾" Plug
Replacement Threaded Conduit Plugs Used with **S1SPFFx** and **S1SPFFTx only**. Sub-plate is supplied with plugs.	Aluminum Finish	**S1FP15AL**	**S1FP34AL**
	Brass Finish	**S1FP15BRS**	**S1FP34BRS**
	Black	**S1FP15BL**	**S1FP34BL**
	Gray	**S1FP15GY**	**S1FP34GY**

Description	Catalog Number
6-Port Replacement Data Frames Used with open systems sub-plates. Sub-plate is supplied with data frame. Siemon MAX® for use with S1SPMAX sub-plate.	**S1DFMAX**
Ortronics TracJack® for use with **S1SPTRAC** sub-plate.	**S1DFTRAC**
Black Style Line® decorator blank frame.	**2100BK**

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Hubbell SystemOne Flush Systems Configuration Chart

ScrubShield® Complies with UL514A

Approved for use in the City of Chicago. (except S1PFB)			Floor Boxes*				4" Core Hole Fire-Rated Poke-Throughs		
			Non-Metallic	Metal					
Sub-Plates			S1PFB	S1CFB	S1SFB	S1SFBAV	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	✓+	✗	✓
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	✓+	✗	✓
S1SPDUSL	Duplex/Style Line® Decorator		3	3.5	3.5	3.5	✓+	✗	✓
S1SP4X4 **S1SP4X4PA** **S1SP4X4SYS**	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		4	4	4	4	✗	✓+	✗
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator		5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (Replace "x" with BRS (brass finish), AL (aluminum finish), BL (black) or GY (gray).		3	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1	Extron® or FSR + Power		4	4	4	4	✓	✗	✓+
S1SPEXT2	Extron® or FSR + Power		4	4	4	4	✓	✗	✓+
S1SPEXT3	Extron® or FSR Single-Service		4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4	Extron® or FSR + Power		4	4	4	4	✓	✗	✓+
S1SPORT	Ortronics Series II® + Power		5	5	5	5	✓	✗	✓+
S1SPTRAC	Ortronics TracJack® + Power		5	5	5	5	✓	✗	✓+
S1SPMAX	Siemon MAX® + Power		5	5	5	5	✓	✗	✓+
S1SPAMM20	Active Multimedia + Flush Keystone + Power		5	5	5	5	✓	✗	✓+
S1CFCxx SystemOne Carpet Cover **S1TFCxx** SystemOne Tile Cover	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "x" with BRS (brass finish), AL (aluminum finish), BL (black), GY (gray) or I (ivory).	 	Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.				✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible

*Note: *See section O for additional information on Floor Boxes.*

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2X2 Flush FRPT, One-Piece Units (PT2X2FIT)

Description	Color	Catalog Number
2X2 Poke-Through Non-metallic Cover	Black	**PT2X2BL**
	Gray	**PT2X2GY**
	Black	**PT2X2IGBL***
	Gray	**PT2X2IGGY***

- Pre-wired 20A Style Line® decorator receptacle and (2) Category 5e data jacks
- Painted aluminum flange
- Approved for use in the City of Chicago

Description	Color/Material	Catalog Number
2X2 Poke-Through	Black/Brass	**PT2X2BRS3**
	Brass Finish/Brass	**PT2X2BRS**
	Black/Brass	**PT2X2IGBRS3***
	Brass Finish/Brass	**PT2X2IGBRS***

- Pre-wired 20A Style Line® decorator receptacle and (2) Category 5e data jacks
- Solid brass flange
- Approved for use in the City of Chicago

*Note: *Includes pre-wired 20A isolated ground duplex Style Line® receptacle.*

2X2 Flush FRPT, Two-Piece Units

Description	Catalog Number
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem with junction box for power and (2) ½ in. EMT stems for low voltage.	**PT2X2FIT**

Specifications:

- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area
- Approved for use in the City of Chicago

Service Fittings

Description	Color	Catalog Number
2X2 Service Fitting Non-metallic Cover/ Aluminum Flange	Black	**PT2X2SFBL**
	Gray	**PT2X2SFGY**

- Pre-wired 20A Style Line® decorator receptacle and (2) Category 5e data jacks
- Painted aluminum flange

Description	Color/Material	Catalog Number
2X2 Service Fitting Non-metallic Cover Brass Flange	Black/Brass	**PT2X2SFBRS3**
	Brass Finish/Brass	**PT2X2SFBRS**

- Pre-wired 20A Style Line® decorator receptacle and (2) Category 5e data jacks
- Solid brass flange

Accessories

Description	Color/Material	Catalog Number
Non-metallic Replacement Covers	Brass Finish	**PT2X2CBRS**
	Black	**PT2X2CBL**
	Gray	**PT2X2CGY**

Description	Color/Material	Catalog Number
Closure Plug Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed. Maintains the floor's 1 – 4 hour fire rating. UL Listed and CSA Certified.	Gray	**FRP250**

Note: See page P-27 for technical information.

Flush Duplex FRPT, One-Piece Units

Description	Color	Catalog Number
Flush Poke-Through	Black	**PT7FSDBLA**
	Brown	**PT7FSDBRA**
	Gray	**PT7FSDGYA**
	Ivory	**PT7FSDIA**
	Gray	**PT7IGFSDGYA***
	Ivory	**PT7IGFSDIA***

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange

Description	Color/Material	Catalog Number
Flush Brass Poke-Through	All Brass	**PT7FSDBRS2A**
	Black/Brass	**PT7FSDBRS3A**
	All Brass	**PT7IGFSDBRSA***

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- All brass or black non-metallic cover option
- Flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange

*Note: *Includes pre-wired 20A isolated ground duplex receptacle.*

Flush FRPT, Two-Piece Units

Description	Catalog Number
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage feed-through holes.	**PT7FSD** (with Junction Box) **PT73SD** (without Junction Box)

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area

Service Fittings

Description	Color	Catalog Number
Flush Aluminum Service Fitting	Black	**FRFBLA**
	Brown	**FRFBRA**
	Gray	**FRFGYA**
	Ivory	**FRFIA**

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange

Description	Color/Material	Catalog Number
Flush Brass Service Fitting	Solid Brass	**FRFBRS2A**

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Solid brass flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange

Accessories

Description	Color	Catalog Number
Non-metallic Replacement Covers	Black	**PFBRCBLA**
	Brown	**PFBRCBRA**
	Gray	**PFBRCGYA**
	Ivory	**PFBRCIA**

Description	Color/Material	Catalog Number
All Brass Replacement Covers	Solid Brass	**BRS2RCA**

Note: See page P-21 for 3 Inch FRPT accessories.
See page P-27 for technical information.

Large Capacity, Single-Service Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number
Large Capacity, Single-Service Through Floor Fitting with (1) 2 in. EMT stem. Will accommodate up to 36 Category 5e cables.	**PT2FIT**

Specifications:
- 1- to 2-hour fire rating
- Single-Service, Power or Data
- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area
- Approved for use in the City of Chicago

Description	Color/Material	Catalog Number
Large Capacity Cover/Flange	Brass Finish	**FF2BRS**
	Black	**FF2BK**
	Gray	**FF2GY**

Specifications:
- Cover/flange with 1¼ in. and 2 in. trade size combination knockout
- Painted aluminum cover and flange
- Approved for use in the City of Chicago

*Note: *Includes pre-wired 20A isolated ground duplex Style Line® receptacle.*
See page P-28 for technical information.

Flush Furniture Feed FRPT, One-Piece Units

Description	Color	Catalog Number
3-Service Furniture Feed Poke-Through	Black	**PT73FFSDBK**
	Gray	**PT73FFSDGY**
	Ivory	**PT73FFSDI**

Complete assembled unit includes:
- PT73SD floor fitting
- Aluminum cover with (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange

Description	Color	Catalog Number
Single-Service Furniture Feed Poke-Through	Gray	**PT7FFSDGY**
	Ivory	**PT7FFSDI**

Complete assembled unit includes:
- PT71SD floor fitting
- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange

Note: See page P-28 for technical information.

Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number
3-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage conduit holes.	**PT73SD**

Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)

Description	Catalog Number
Single-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power or low voltage applications.	**PT71SD**

Specifications:
- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area

Service Fittings

Description	Color	Catalog Number
3-Service Furniture Feed Service Fitting	Black	**FRF3BK**
	Gray	**FRF3GY**
	Ivory	**FRF3I**

Complete assembled unit includes:
- Aluminum cover with (2) ½ in threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange

Description	Color	Catalog Number
Single-Service Furniture Feed Service Fitting	Brass Finish	**FRF1BRS**
	Black	**FRF1BK**
	Gray	**FRF1GY**

Complete assembled unit includes:
- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange

Note: See page P-21 for 3 Inch FRPT accessories.
See page P-28 for technical information.

Painted Pedestal FRPT
2 and 3 Inch Core Hole Two-Piece Units

ScrubShield® Complies with UL514A

3 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2¼ in. to 7 in. floor thickness • Approved for use in the City of Chicago	**PT7XC**

2 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2¼ in. to 7 in. floor thickness • Approved for use in the City of Chicago	**PT27A**

*Note: *Includes pre-wired 20A isolated ground duplex receptacle.*
See page P-29 for technical information.

Pedestal Service Fittings (Order 1 plate per gang)

Description	Color/Material	Catalog Number
2-Gang	Alum. Finish Black Gray	**FR280ALA** **FR280BKA** **FR280GYA**

Use with PT27A only.

FR280BKA

Description	Color	Catalog Number
4-Gang	Black Gray	**FR480BKA** **FR480GYA**

Use with PT27A or PT7XC.

FR480GYA

Description	Color	Catalog Number
6-Gang	Black Gray	**FR680BKA** **FR680GYA**

Use with PT27A or PT7XC.

FR680BKA

- Painted aluminum housing with low voltage barrier(s); plates and devices sold separately
- For additional barriers, use FRBR1, see page P-21.
- UL Listed and CSA Certified

Note: See page P-30 for technical information.

Pedestal Face Plates (Order 1 plate per gang)

Description	Color/Material	Catalog Number		Description	Color/Material	Catalog Number	
Duplex	Black Gray	**SS2309DBKA** **SS2309DGYA**		Furniture feed (¾ in. KO)	Alum. Finish Black Gray	**SS2309FALA** **SS2309FBKA** **SS2309FGYA**	
Style Line®/ GFCI	Black Gray	**SS2309SLBKA** **SS2309SLGYA**		Furniture feed (1 in. KO)	Black Gray	**SS2309F1BKA** **SS2309F1GYA**	
Single receptacle (1.39 in. OD)	Black Gray	**SS2309SBKA** **SS2309SGYA**		Bushed data opening (1 in. ID)	Black Gray	**SS2309TBKA** **SS2309TGYA**	
Blank	Alum. Finish Black Gray	**SS2309BALA** **SS2309BBKA** **SS2309BGYA**					

- Painted aluminum plates
- UL Listed and CSA Certified

Brushed Aluminum Pedestal FRPT 3 Inch Core Hole Two-Piece Units

ScrubShield® Complies with UL514A

Through-Floor Fitting

Description	Catalog Number	
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design). • For 2¼ in. to 7 in. floor thickness. • Approved for use in the City of Chicago.	**PT7XC**	

Pedestal Service Fitting

Description	Color/Material	Catalog Number	
2-Gang Pedestal Service Fitting For use with PT7XC only. Specifications: • Brushed aluminum housing with low voltage barrier. Plates and devices sold separately.	Brushed Aluminum	**FR80AL**	

Note: See pages P-29 and P-30 for technical information.

Plates

Description	Catalog Number		Description	Catalog Number	
Duplex	**SS309D**		Furniture feed (¾ in. KO)	**SS309SF***	
Style Line®/GFCI	**SS309DS**		Furniture feed, blank	**SS309BF***	
Single receptacle (1.39 in. OD)	**SS309S**		Bushed data opening (1 in. ID)	**SS309T**	
Blank	**SS309B**		• 302/304 stainless steel plates (SS309SF & SS309BF are aluminum). • UL Listed and CSA Certified.		

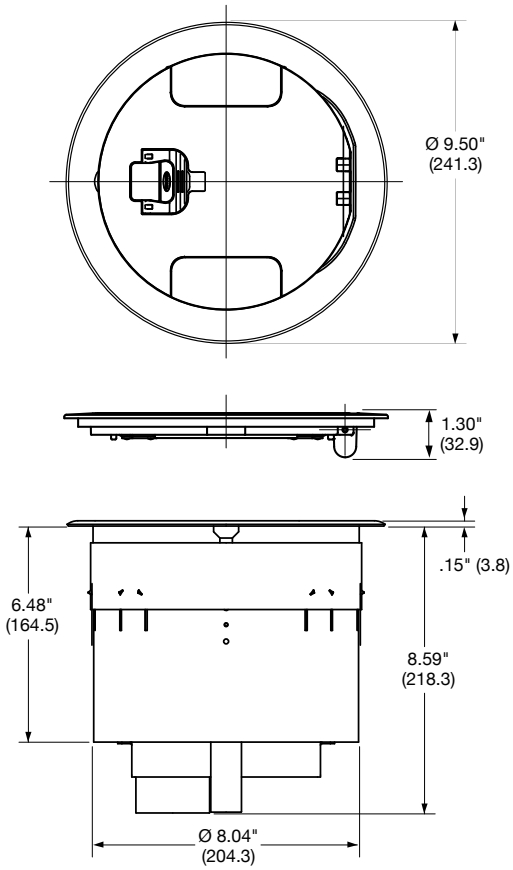
*Note: *For furniture feed applications using **SS309SF**, a **SS309BF** blank must be used for second plate.*

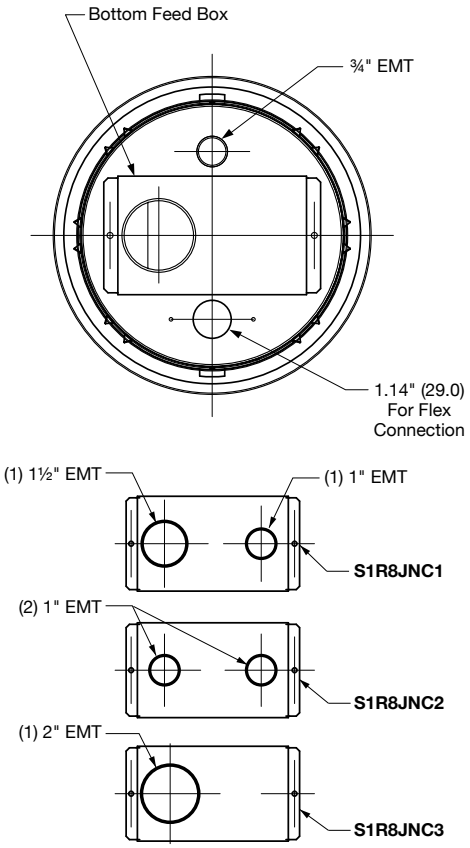
3 Inch Core Hole FRPT Accessories

Description	Color	Catalog Number	
Flush FRPT Abandonment Plate Use with PT7FSD, PT73SD or PT71SD only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray Ivory	**AP2GY** **AP2I**	
Multi-Service Furniture Feed Replacement Inserts Use as a replacement cover for PT73FFSD series, or to convert installed PT7FSD series into furniture feed FRPTs. Includes (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power. (UL Listed only.)	Gray Ivory	**FF3GY** **FF3I**	
Replacement Low Voltage Barrier Use with FR280, FR480, and FR680 pedestal service fittings only when additional power/low voltage separation is required.		**FRBR1**	

Description	Color/Gang	Catalog Number	
PT7XC Extension Kit Extends PT7XC FRPT to accommodate between 7 in. and 13 in. floor thickness.	—	**EXT13**	
Pedestal FRPT Abandonment Plate Use with PT27A or PT7XC only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray/ 2-gang Gray/ 4-gang	**AP22** **AP42**	

S1R8PT Series





Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R8SPZ sub-plate supplied with pre-wired duel 20A receptacle. Wired with three #12 AWG solid conductors.
- Meets ADA standards for accessible design, section 4.3.8, "changes in level."
- Meets UL 514A scrub water exclusion requirements.

Application Data

- Cover mounts to recessed 8 Inch FRPTs and LCFB series floor box with applicable adapter (LCFBS1R8ADAPT), see page O-17 for additional information.
- Mounted in 8 in. (203.2) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	S1R6PT Series	
Fire Resistance Rating	2-Hrs. (D900)	
Max. Copper Cross Section	Outer Chambers (each) .0154 sq. in.	Center Chamber .0633 sq. in.

UL Characteristics

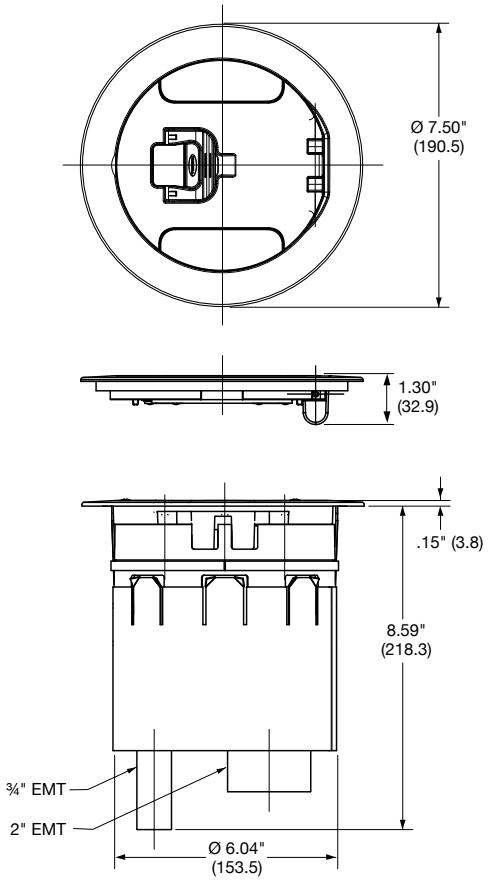
Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

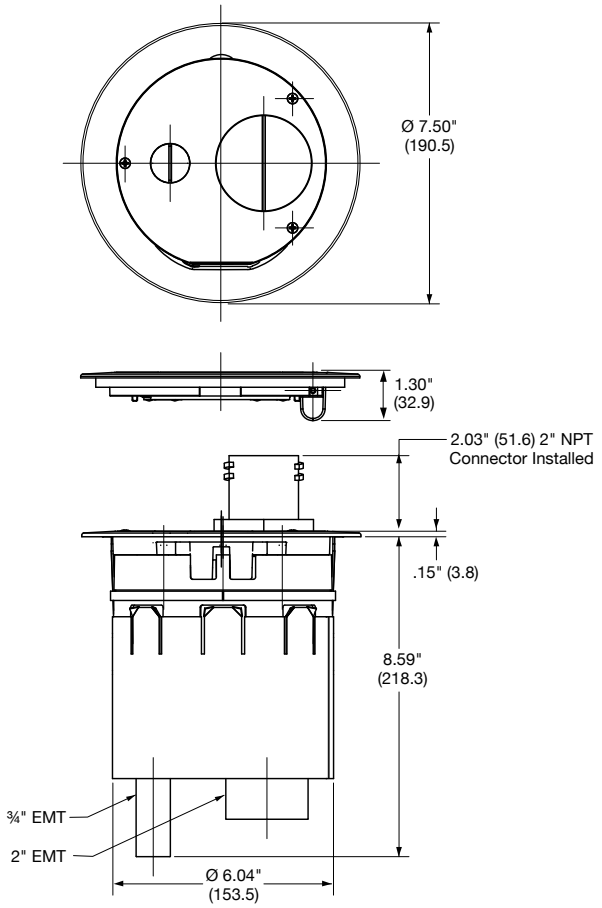
Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

S1R6PT Series



S1R6PTFF Series



Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R6SPZ sub-plate supplied with pre-wired duel 20A receptacle. Wired with three #12 AWG solid conductors.
- S1R6SPH sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as duel circuit and isolated ground.
- S1R6PTFF series furnished with one (1) ¾ in. and one (1) 2 in. screw-in flexible metal conduit connectors.
- Meets ADA standards for accessible design, section 4.3.8, "changes in level."
- Meets UL 514A scrub water exclusion requirements.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 6 in. (152.4) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.

UL Listed Wiring Capacity

	S1R6PT Series		S1R6PTFF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	2 in. Low Voltage EMT .0348 sq. in.	¾ in. Power EMT .0815 sq. in.	2 in. Low Voltage EMT .0962 sq. in.

UL Characteristics

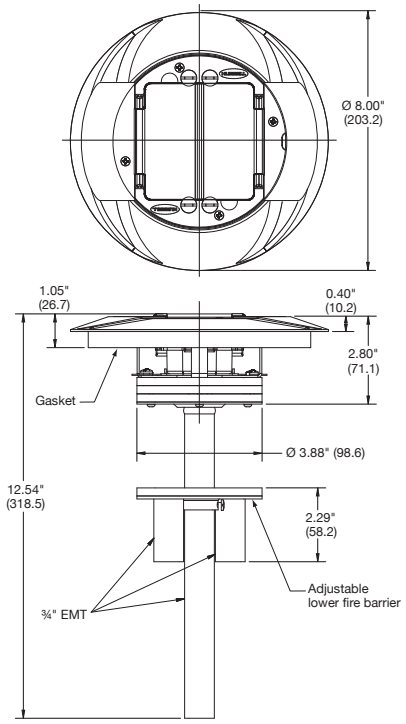
Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

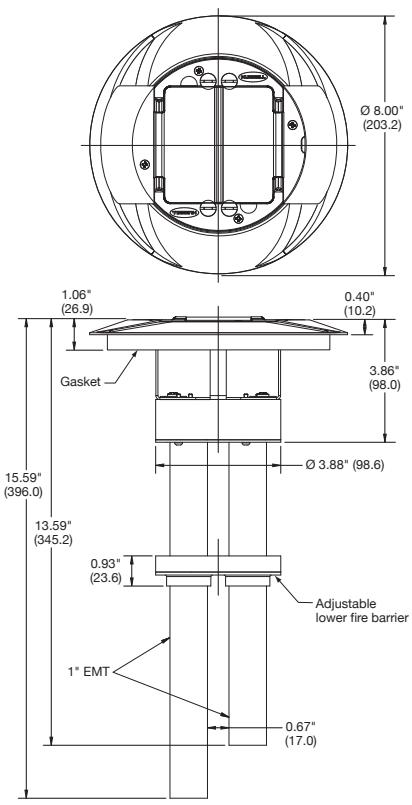
Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

S1PT4X4 Series



S1PT Series



Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA standards for accessible design, section 4.3.8, "changes in level."
- S1SP4X4 sub-plate supplied with pre-wired, molded, four position 20A, 125V, black receptacle, NEMA 5-20R.
- S1SP4X4 wired with six thermally protected #14 AWG THHN stranded copper conductors, receptacle can be wired as dual-circuit and isolated ground.
- S1SP4X4 accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6A, 6, 5e, and USOC, and flush series jacks.
- S1SP sub-plate accepts two (2) 15A or 20A Style Line® decorator receptacles, Style Line® data frames, and/or one (1) GFCI or surge receptacle.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.

UL Listed Wiring Capacity

	S1PT4X4 Series	S1PT Series
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	1 in. Power EMT .0307 sq. in.
	¾ in. Low Voltage EMT .016 sq. in.	1 in. Low Voltage EMT .024 sq. in.

UL Characteristics

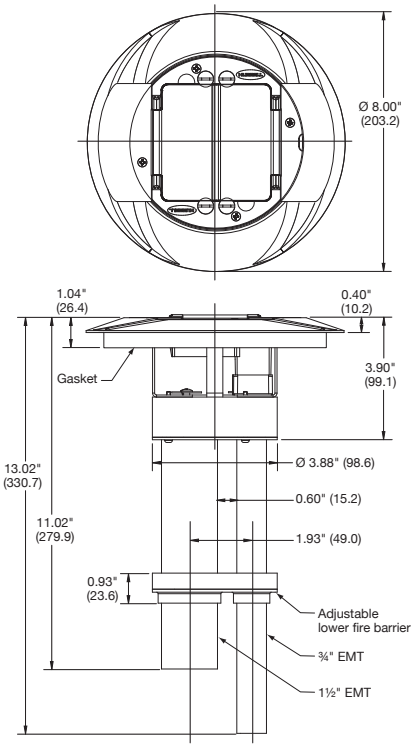
Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

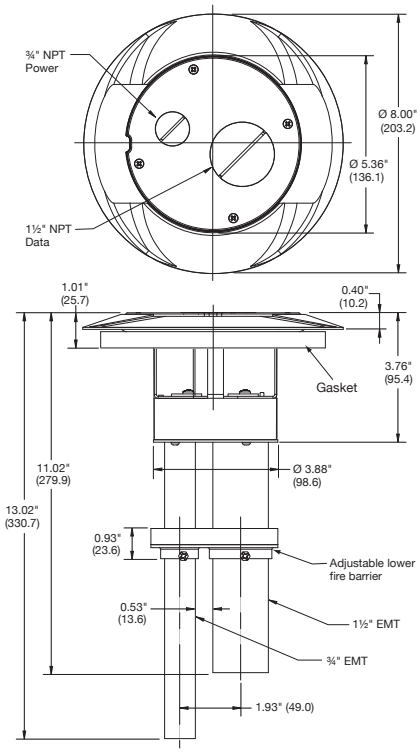
Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

S1PTAVFIT and S1PT3IM Series



S1PTFF Series



Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA standards for accessible design, section 4.3.8, "changes in level."
- S1PTFF series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1PTFF series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- S1PT3IM series sub-plate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R.
- S1PT3IM wired with three #12 AWG THHN stranded copper conductors.
- S1PT3IM sub-plate also accepts three unit recessed Hubbell iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks.
- Meets UL 514A scrub water exclusion requirements.

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

UL Listed Wiring Capacity

	S1PTAVFIT and S1PT3IM Series	S1PTFF Series	
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	¾ in. Power EMT .072 sq. in.	1½ in. Low Voltage EMT .100 sq. in.
	1½ in. Low Voltage EMT .048 sq. in.		

UL Characteristics

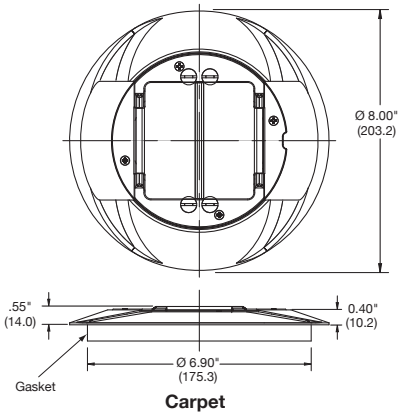
Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

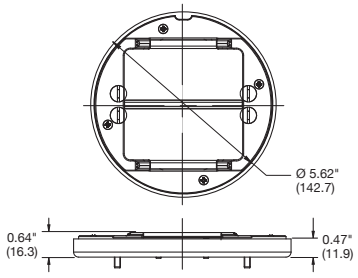
Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings.
When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

S1CFC and S1TFC Series

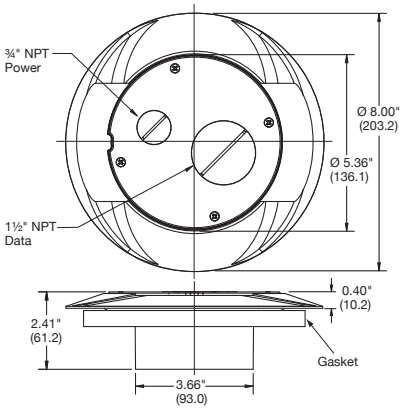


Carpet

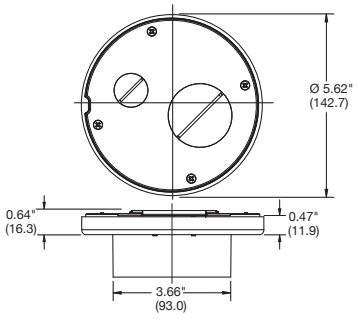


Tile

S1SPFF and S1SPFFT Series



Carpet



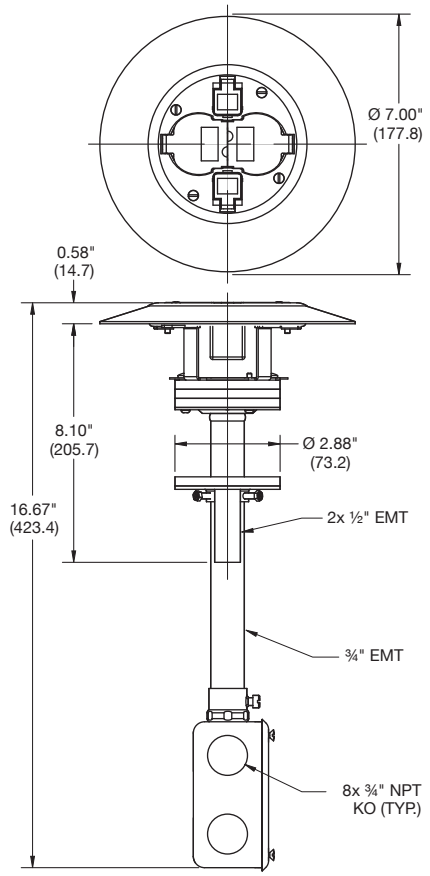
Tile

Product Information

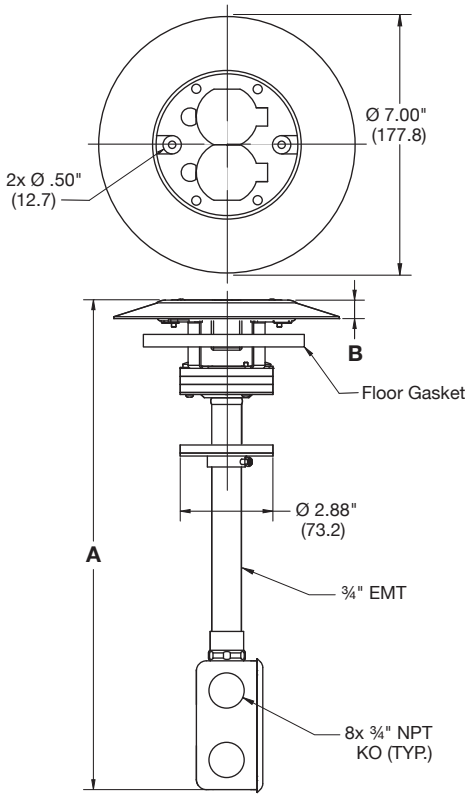
- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA standards for accessible design, section 4.3.8, "changes in level."
- S1SPFF and S1SPFFT series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1SPFF and S1SPFFT series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- Meets UL 514A scrub water exclusion requirements.

Dimensions in Inches (mm)

PT2X2 Series



PT7 Series



Series	Dimension A	Dimension B
Thermoplastic cover with aluminum flange.	13.24 in. [336.2]	.51 in. [13.0]
Brass cover and flange.	13.20 in. [335.2]	.49 in. [12.4]

Product Information

- Flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange.
- PT2X2 series supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V.
- PT2X2 series supplied with two (2) Hubbell HXJ5EBK black jacks; category 5e, UL Listed, 110 type contacts.
- PT7 series supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V.
- PT7 series supplied with two (2) ½ in. low voltage feed through holes . Two (2) feed through bushings supplied (cover will not accept data jacks).
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with 13.0 cu. in. junction box having eight (8) ¾ in. knockouts.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago (PT2X2 series).

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	PT2X2 Series		PT7 Series	
Fire Resistance Rating	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0155 sq. in.	½ in. Data EMT .0026 sq. in.	¾ in. Power EMT .0155 sq. in.	Low Voltage EMT .0250 sq. in.

UL Characteristics

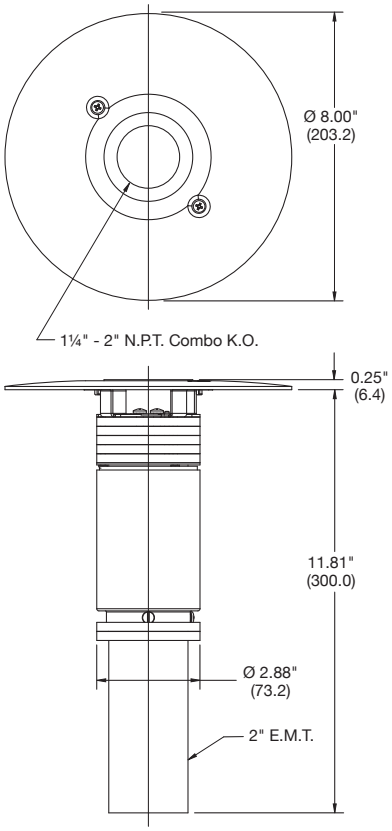
Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

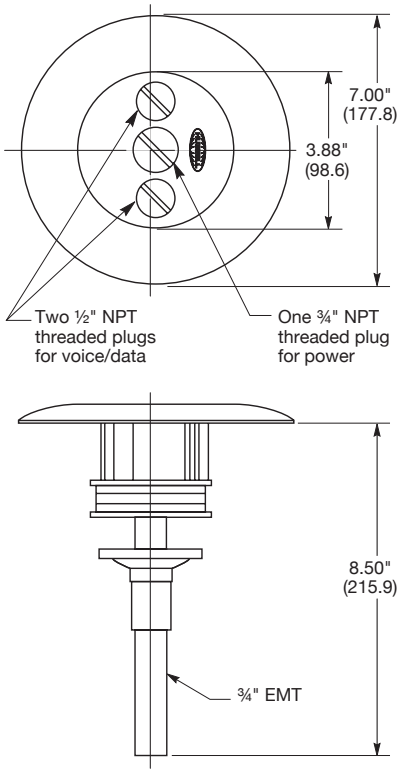
Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.
The above product data pertains to both one-piece units and through-floor fittings.

Dimensions in Inches (mm)

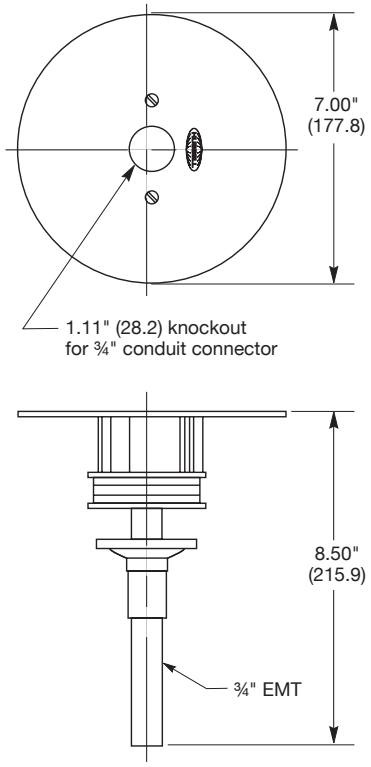
PT2FIT Series



PT73FFSD Series



PT7FFSD Series



Product Information

PT2FIT series
- Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish).
- Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 1¼ in. NPT flexible metal conduit connector.

PT73FFSD series
- Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory).
- Aluminum conduit insert cover with one (1) ¾ in. and two (2) ½ in. die-cast threaded plugs.
- Supplied with one (1) ¾ in. and two (2) ½ in. screw-in flexible metal conduit connectors.

PT73FFSD series
- Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish).
- Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a ¾ in. NPT flexible metal conduit connector.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
- PT2FIT series has single-service, power or data.
- UL Listed for fire resistance in 1 – 2 hour (PT2FIT series) rated floors.
- UL Listed for fire resistance in 1 – 4 hour (PT73FFSD and PT7FFSD series) rated floors.
- Approved for use in the City of Chicago (PT2FIT series).

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	PT2FIT Series	PT73FFSD Series		PT7FFSD Series
Fire Resistance Rating	2-Hrs. (D900)	4-Hrs. (D900)		4-Hrs. (D900)
Max. Copper Cross Section	2 in. EMT .0922 sq. in.	¾ in. EMT .0470 sq. in.	½ in. Feed Through .0250 sq. in.	¾ in. EMT .0500 sq. in.

UL Characteristics

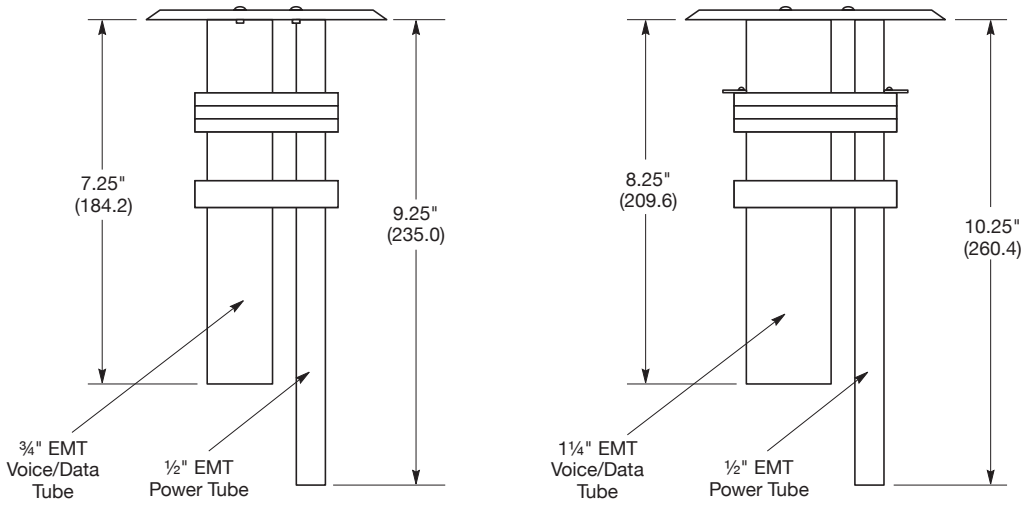
Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece units and through-floor fittings.
When connection conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Pedestal Fitting Series



Applications	PT27A	PT7XC
Mounting	2 in. (50.8) diameter hole.	3 in. (76.2) diameter hole.
Floor Thickness Range	2¼ in. to 7 in. (57.2 to 177.8)	2¼ in. to 7 in. (57.2 to 177.8)
Fire Rating	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design). (D900 series design).	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping
Service Pedestal Options	FR280, FR480, FR680 Series.	FR480 and FR680 Series.

UL Listed Wiring Capacity

Power Wiring Capacity	½ in. inch EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.		½ in. inch EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.	
Voice/Data Wiring Capacity	¾ in. inch EMT low-voltage tube Handles: Up to two 25 pair tel./data cables (100 #22 AWG tel./data conductors), or Up to two IBM Type 2 data cables.		1¼ in. inch EMT low-voltage tube Handles: Up to four 25 pair tel./data cables (200 #22 AWG tel./data conductors), or Up to five IBM Type 2 data cables and four 8-conductor tel./data cables.	
Total Allowable Copper Cross-Sectional Area	½" Power EMT .0461 sq. in.	¾" Low Voltage EMT .0500 sq. in.	½" Power EMT .0461 sq. in.	1½" Low Voltage EMT .1000 sq. in.

When conductors larger than #22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the #22 AWG conductors permitted in the low voltage compartment.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number	UL File Number
Outlet Box	E31999	E31999
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

Chicago Approved

Catalog Number	City of Chicago File Number
PT27A, PT7XC	5587E

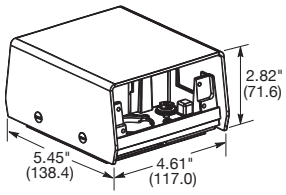
These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

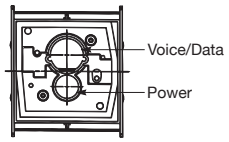
Dimensions in Inches (mm)

Painted and Brushed Aluminum Series

Dimensions

2-Gang – FR280 series

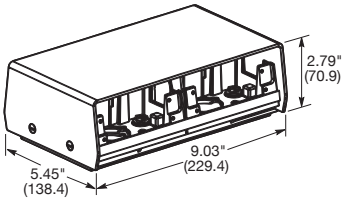


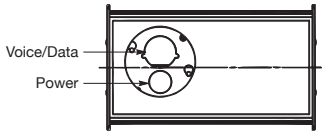


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	39.00 in. (638.8cm^3)	
Cubic Inch Capacity	Power	19.5 in. (319.4cm^3)
(when divided for multi-service)	Voice/Data	19.5 in. (319.4cm^3)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

4-Gang – FR480

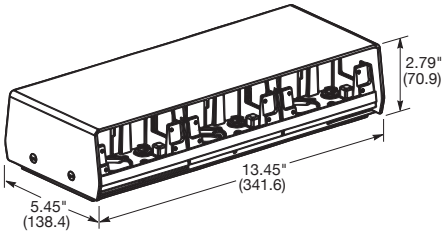


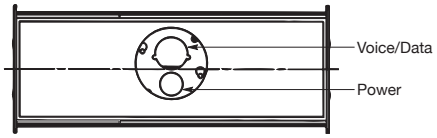


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	78.00 in. (1277.6cm^3)	
Cubic Inch Capacity	Power	39.00 in. (638.8cm^3)
(when divided for multi-service)	Voice/Data	39.00 in. (638.8cm^3)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

6-Gang – FR680

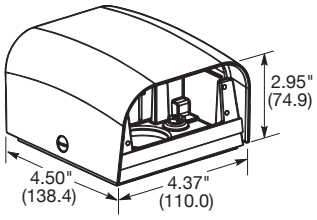


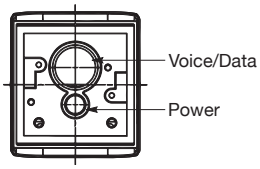


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	117.00 in. (1916.4cm^3)	
Cubic Inch Capacity	Power	58.5 in. (958.2cm^3)
(when divided for multi-service)	Voice/Data	58.5 in. (958.2cm^3)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

2-Gang – FR80AL





Top inside view of pedestal base

Total Cubic Inch Capacity (single service)	33.00 in. (540.9 cu cm^3)	
Cubic Inch Capacity	Power	8.80 in. (144.2cm^3)
(when divided for multi-service)	Voice/Data	26.70 in. (437.6cm^3)
Service Pedestal Construction	Heavy gauge aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates.	
Pedestal Finish	Brushed.	

Dimensions in Inches (mm)

Aluminum Service Poles

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Ordering Information, Specifications and Dimensions	Q-2
Custom Pole Configurations	Q-3
Division 16 Specifications	Q-4

photo courtesy of constructionphotographs.com

Two Duplex Receptacles or Blank Pole

One Isolated Ground, One Duplex Receptacle

Two Isolated Ground, One IG Surge Suppression

Adjustable T-Bar and Trim Kit

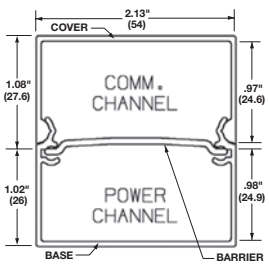
HBLPP10AI

HBLPP10IGA

HBLPP10SAI

ATB

PPTRIM1



Service Pole Cross Section

Dimensions in Inches (mm)

Aluminum Series Offering

Hubbell offers a line of gray, ivory and clear anodized aluminum service poles. These attractive and durable poles effectively distribute power and telecommunications wiring from above the ceiling to workstations below. They are offered in lengths of 10' 2", 12' 2", and 15' 2" with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

A blank pole with knockouts is also offered which does not have devices or wiring. In addition to a standard pole, which has two 20 amp duplex receptacles, an isolated ground or surge suppression version is also available. All poles, except the blank versions, are factory wired with Hubbell Style Line® decorator receptacles. Two Style Line® knockouts are also provided on the same side as the power receptacles for communication outlets.

Ordering Information

Aluminum service poles; gray or ivory painted and clear anodized aluminum; Style Line® decorator duplex receptacles and two Style Line® knockouts for communications; includes ceiling trim mounting plate and scuff boot.

Description	Height Feet (m)	Catalog Number Gray	Ivory	Clear Anodized Aluminum
Three service; two 20A 125V Style Line® duplex receptacles; one circuit.	10' 2" (3.10m) 12' 2" (3.71m) 15' 2" (4.62m)	**HBLPP10A** **HBLPP12A** **HBLPP15A**	**HBLPP10AI** **HBLPP12AI** **HBLPP15AI**	**HBLPP10AAL** **HBLPP12AAL** **HBLPP15AAL**
Three service; one orange isolated ground 20A 125V Style Line® duplex receptacle; one 20A 125V Style Line® duplex receptacle; two circuits.	10' 2" (3.10m)	**HBLPP10IGA**	**HBLPP10IGAI**	—
Three service; two orange isolated ground 20A 125V Style Line® duplex receptacles; one isolated ground surge suppression 20A 125V duplex receptacle; one circuit.	10' 2" (3.10m)	**HBLPP10SA**	**HBLPP10SAI**	—
Three service; blank pole; divider; four Style Line® device knockouts.	10' 2" (3.10m) 12' 2" (3.71m) 15' 2" (4.62m)	**HBLPPOA** **HBLPPO12A** **HBLPPO15A**	**HBLPPOAI** **HBLPPO12AI** **HBLPPO15AI**	**HBLPPOAAL** **HBLPPO12AAL** **HBLPPO15AAL**
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile.		**ATB**	**ATB**	**ATB**
Replacement service pole trim kit (office white).		**PPTRIM1**	**PPTRIM1**	**PPTRIM1**

Note: See section W for additional information on datacom products.

Specifications

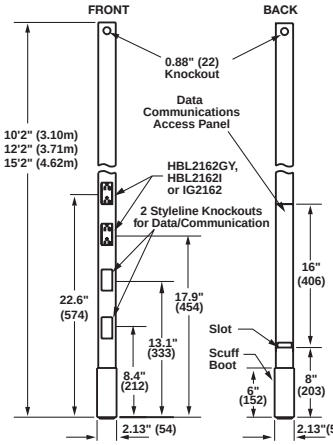
Material: Extruded aluminum; .05" thick (1.27mm)
Finish: gray, ivory or clear anodized aluminum
Conductors: #12 AWG stranded copper

Receptacles: (see drawings below)
Listing: UL Listed

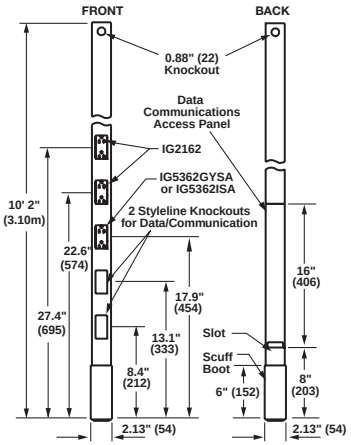
Wiring Capacity (@40% fill)	Voice Data Channel* Cat. 5e	Cat. 6	Cat. 6A	Power Channel**
HBLPP10A; HBLPP12A; HBLPP15A: HBLPP10IGA	26	11	9	41
HBLPP10SA; HBLPP10SAI	8	6	3	41
HBLPPOA, HBLPPO12A, HBLPPO15A (with barrier)	26	11	9	41

*Note: *Pole wiring capacity (telephone fill): Cat. 5 UTP (1.96 sq. ft.).*
***#12 THHN stranded.*

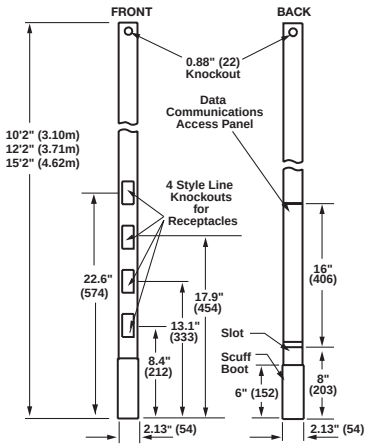
Dimensions



HBLPP10A, HBLPP12A, HBLPP15A



HBLPP10SA



HBLPPOA, HBLPPO12A, HBLPPO15A

Custom Poles

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

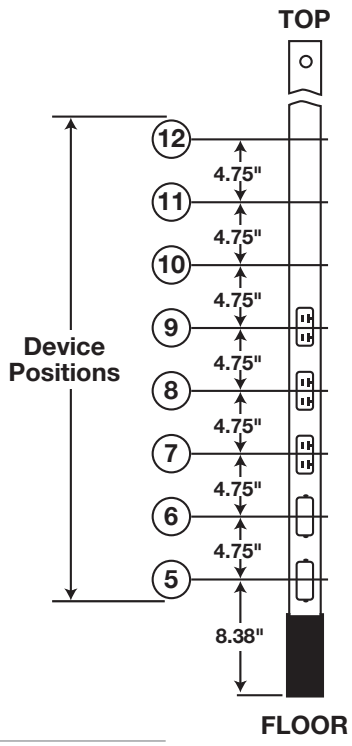
Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P	1	0	0	2	1	1	B	B	B	X	X	X	C	I

Example: SP100211BBBXXXCI
10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.

Worksheet

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P														

Position 1 & 2: Height to the nearest foot.	08-22 Feet.
Position 3 & 4: Height in inches up to 11".	00-11 Inches.
Position 5, 6, 7, 8, 9, 10, 11, 12: Starting at **Position 5** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 5**. Empty **Positions** should be filled with an **"X"** to designate an empty field. *Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.*	**Data Selections** 1 - Rectangular Style Line® Knockout. 2 - ½" NPT Knockout (0.875" diameter). 3 - ¾" NPT Knockout (1.109" diameter). 4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame. 5 - 3-Port Style Line® Data Frame, 1-Gang, 3 Port Voice/Data Frame. **Power Selections** 6 - Rectangular Style Line® Knockout (for blank poles only). 7 - ½" NPT Knockout (0.875" diameter, for blank poles only). 8 - ¾" NPT Knockout (1.109" diameter, for blank poles only). A - 5362, 20A, 125V AC, Duplex. B - HBL2162, 20A, 125V AC, Style Line® Decorator Duplex. C - IG5362, 20A, 125V AC, I.G. Duplex. D - IG2162, 20A, 125V AC, I.G. Style Line® Decorator Duplex. G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex. H - IG4700A, 15A, 125V AC, I.G. Twist-Lock® Duplex. I - IG2310, 20A, 125V AC, I.G. Twist-Lock® Single. J - IG5361, 20A, 125V AC, I.G. Single. K - HBL5361, 20A, 125V AC, Single. L - HBL2310, 20A, 125V AC, Twist-Lock® Single. M - HBL2610, 30A, 125V AC, Twist-Lock® Single. N - HBL2320, 20A, 250V AC, Twist-Lock® Single. O - HBL2620, 30A, 250V AC, Twist-Lock® Single. Q - IG4710, 15A, 125V AC, I.G. Twist-Lock® Single. R - HBL4710, 15A, 125V AC, Twist-Lock® Single. S - HBL5662, 15A, 250V AC, Duplex. T - IG5662, 15A, 250V AC, I.G. Duplex. U - HBL5661, 15A, 250V AC, Single. V - IG5661, 15A, 250V AC, I.G. Single. W - HBL5462, 20A, 250V AC, Duplex.
Position 13: Power Circuits	Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts). A - All devices on a single circuit. B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2. C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
Position 14: Color	I - Ivory. G - Gray. W - White. K - Black. A - Aluminum with clear anodized finish.



Dimensions in Inches (mm)

Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. Standard and Custom Aluminum Service Poles

1. Standard Style Line® Decorator Duplex

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with two specification grade Style Line® decorator receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162GY/HBL2162I or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

Finish

Service Poles will include a painted or clear anodized finish.
Custom poles are available in Gray, Ivory, White, Black and Clear Anodized Aluminum.

Heights

Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft.
Other custom poles can be as short as 6 in. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10A, HBLPP10AI, HBLPP10AAL.
10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SA, HBLPP10SAI.
10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGA, HBLPP10IGAI.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12A, HBLPP12AI, HBLPP12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15A, HBLPP15AI, HBLPP15AAL.
8-22 feet: Hubbell Custom Poles.

2. Isolated Ground

The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162GY/HBL2162I, both 20A, 125V Style Line® decorator receptacles (wired on separate circuits). Gray aluminum painted poles shall be Hubbell type HBLPP10IGA. Ivory pole shall be Hubbell type HBLPP10IGAI. Custom poles with a variety of receptacles may also include isolated ground type devices.

3. Surge Suppression/Isolated Ground

The following Service Poles contain one Hubbell #IG5362GYSA/IG5362ISA (20A, 125V Surge/IG Style Line® decorator duplex) and two #IG2162 (20A, 125V IG Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Gray aluminum painted pole shall be Hubbell type HBLPP10SA. Ivory pole shall be Hubbell type HBLPP10SAI. Custom poles with a variety of receptacle options may also include surge suppression.

4. Blank

The following poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.
10 ft. 2 in. (3.10m): Hubbell type HBLPPOA, HBLPPOAI, HBLPPOAAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPPO12A, HBLPPO12AI, HBLPPO12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPPO15A, HBLPPO15AI, HBLPPO15AAL.

B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.

Section R
Metal and Non-Metallic Raceway

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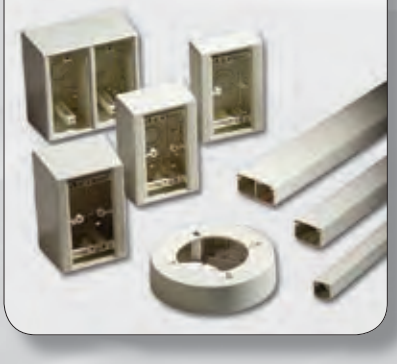
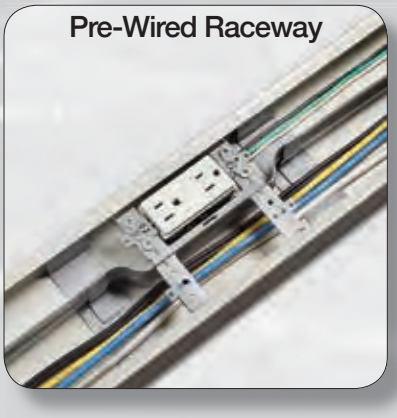
Metal Raceway

Innovative Box Design

Non-Metallic Raceway



Pre-Wired Raceway



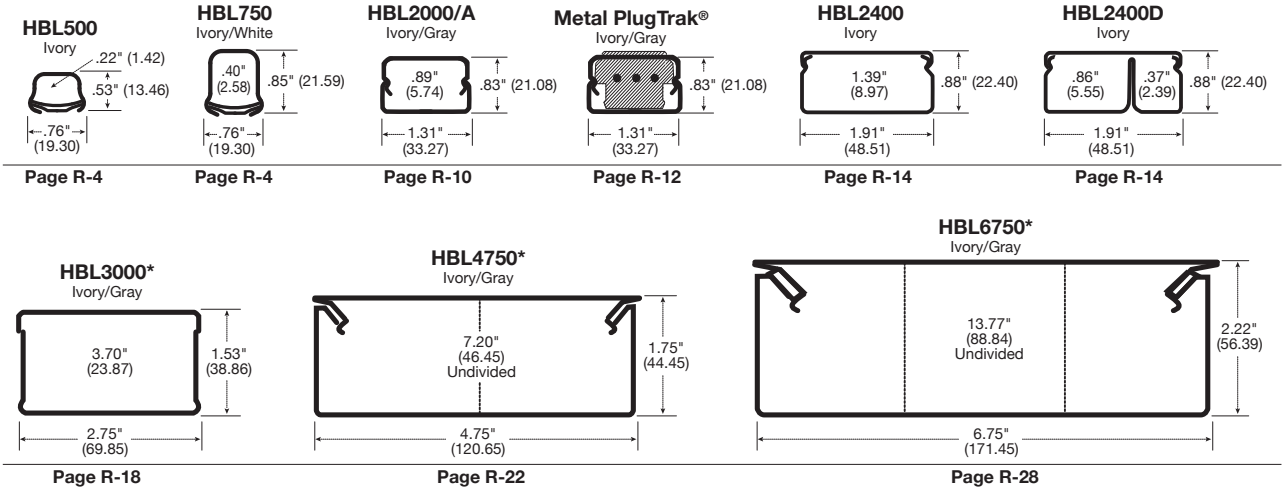
Raceway Profiles - Quick Reference Guide

Dimensions

* Available in PRE-WIRED

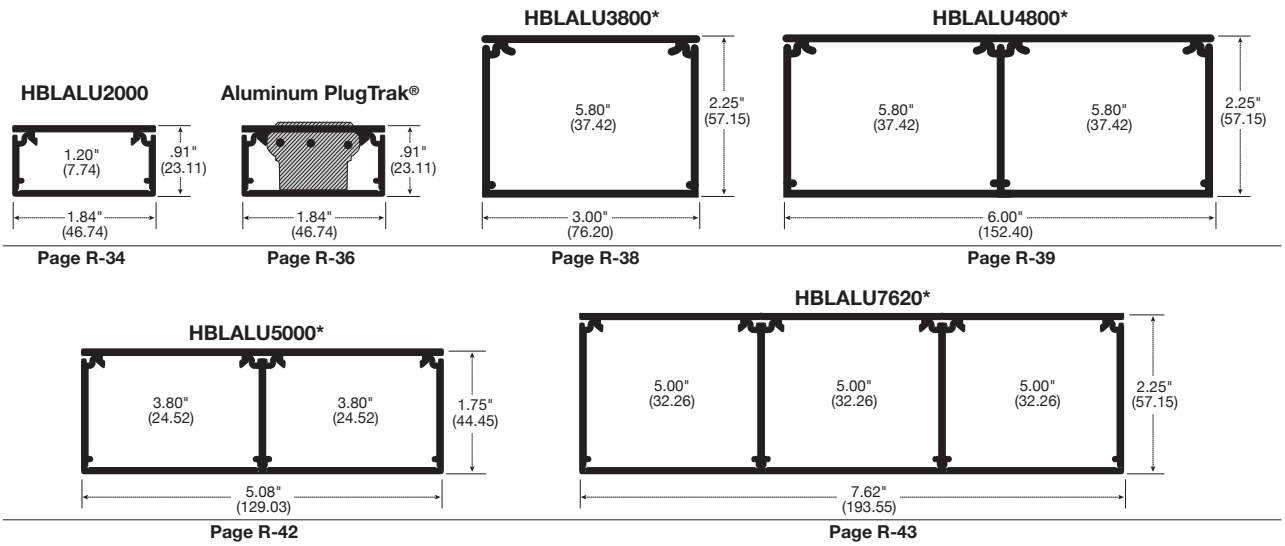
Metal Raceway

Color - Ivory, Gray or White



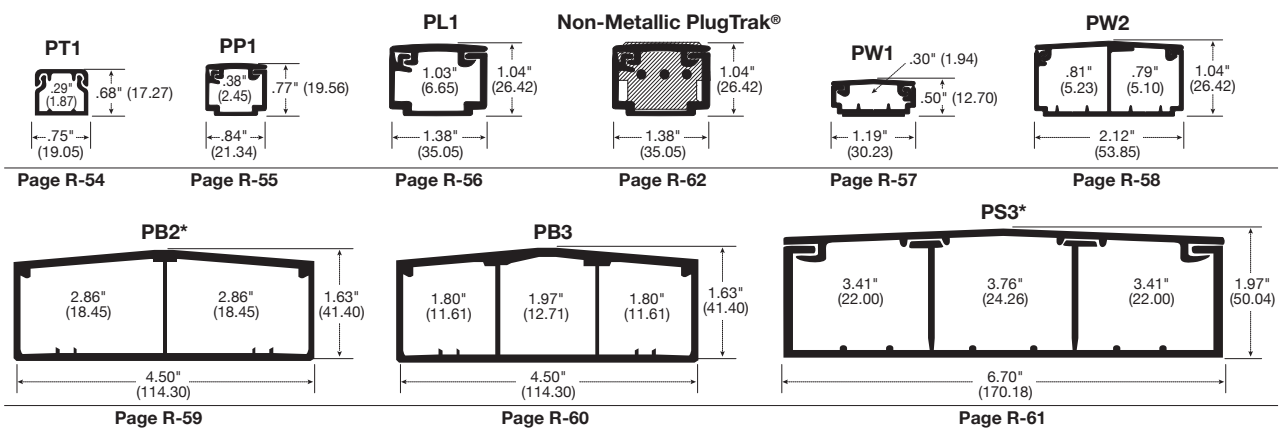
Aluminum Raceway

Color - Satin Anodized Finish



Non-Metallic Raceway

Color - Office White



*Note: *Available in PRE-WIRED.*
Channel Area in Square Inches (square centimeters).

Innovative Box Design

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.
- Rounded corners eliminate sharp edges.
- One seam construction provides “clean” look.
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.
- Full line of metal wallplates available. See page R-45 for selection.

Enhanced Datacom Capabilities

- Allows up to five Category 5e, three Category 6, or two Category 6A cables.
- Available with 1½ in. (38.10) Category 6 and 6A bend radius fittings.
- Largest single channel low profile raceway available in its class.
- Ideal for datacom and oversized neutral applications.
- HBL750 Series exclusive to Hubbell.

White Metal Raceway

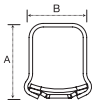
- HBL750 Series available in white.
- Full line of product.
- More color options available for architects and interior designers.

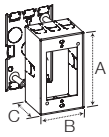
Retrofit Box for Fire Alarm Detectors

- Fits most manufactures of audible alarm systems.
- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.
- Compatible with both HBL500 and HBL750 Series Metal Raceway.
- Available in white and ivory.

HBL500 and HBL750 Series

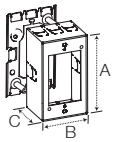
Description	Color	Length	HBL500 Series	HBL750 Series
Base and Cover Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. HBL5701C coupling furnished with each length.	Ivory Ivory White	5 ft. 10 ft. 10 ft.	**HBL5005IV** **HBL50010IV** **HBL50010W** A: .53" (13.46) B: .76" (19.30)	**HBL7505IV** **HBL75010IV** **HBL75010W** A: .85" (21.59) B: .76" (19.30)





	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Standard	Ivory White	**HBL5748IV** **HBL5748W** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL57482IV** **HBL57482W** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	**HBL57483IV** **HBL57483W** A: 4.54" (115.32) B: 6.45" (163.88) C: 1.75" (44.45)	**HBL57484IV** — A: 4.54" (115.32) B: 8.26" (209.91) C: 1.75" (44.45)	**HBL57485IV** — A: 4.54" (115.32) B: 10.01" (255.93) C: 1.75" (44.45)	**HBL57486IV** — A: 4.54" (115.32) B: 11.89" (301.96) C: 1.75" (44.45)
Shallow	Ivory White	**HBL5747IV** **HBL5747W** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBL57472IV** **HBL57472W** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	**HBL57473IV** — A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)	— —	— —	— —
Deep	Ivory White	**HBL5744SIV** **HBL5744SW** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.00)	**HBL5744S2IV** **HBL5744S2W** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.25" (57.00)	**HBL5744S3IV** — A: 4.54" (115.32) B: 6.45" (163.88) C: 2.25" (57.00)	— —	— —	— —
Extra Deep	Ivory White	**HBL5744IV** **HBL5744W** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	**HBL57442IV** **HBL57442W** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	**HBL57443IV** — A: 4.54" (115.32) B: 6.45" (163.88) C: 2.75" (69.85)	— —	— —	— —
Base Trade Size KOs		2- ½"	1 - ½", ¾" Concentric 1 - Rectangular	3 - ½"	4 - ½"	5 - ½"	6 - ½"

Note: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages R-45 and R-46 for datacom product selection.



Extension Boxes

Description	Color	1-Gang	1-Gang Deep	1-Gang Blank	2-Gang	3-Gang
Extension Boxes To extend exisiting flush switch and receptacle boxes. Blank is used where it is desired to blank original outlet.	Ivory White	**HBL5751IV** **HBL5751W** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBL5751AIV** **HBL5751AW** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL5760IV** — A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)	**HBL57512IV** — A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	**HBL57513IV** — A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)

Dimensions in Inches (mm)

1-Gang Specialty Boxes

Description	Color	1-Gang
Low Profile Switch/Receptacle Base has ½" trade size KOs.	Ivory White	**HBL5748SIV** **HBL5748SW** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)
Combination Switch/Recept. Connects surface runs of ½" trade size conduit, one raceway twistout each side and three raceway twistouts top and bottom.	Ivory White	**HBL5745IV** **HBL5745W** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)
Utility Box* For use as a tee, cross, pull box, junction box or blank box. Base has ½" trade size KOs.	Ivory	**HBL57242IV** **HBL57242W** A: 4.12" (104.78) B: 2.00" (50.80) C: 1.39" (35.31)

2-Gang Specialty Boxes

Description	Color	2-Gang
Alarm Device Box Surface mounting of alarm devices and safety signals.	Ivory Red	**HBL5752IV** **HBL5752R** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)
Extra Deep Alarm Device Box For surface mounting of alarm devices and safety signals. Cover is 2.75" (69.85) deep.	Ivory Red	**HBL5753IV** **HBL5753R** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)
Distribution Box Twistouts permit three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75". (69.85), 3.5" (89.00), 4.0625" (103.00) and canopy fixture not larger than 4.625" (117.00). Can be used with HBL5736IV (blank cover) to create junction box.	Ivory	**HBL5735IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)

*Note: *Use catalog number HBL5791 for connecting ½ in. EMT to HBL5745 and HBL57242 boxes.*

Round Boxes

Description	Color	4.75 inches O.D.	5.50 inches O.D.	6.38 inches O.D
Extension Box (Open Base) For mounting on 3.25" (83.00) or 4" (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75" (69.85), 3.5" (89.00) and 4.06" (103.00).	Ivory White	**HBL5737IV** **HBL5737W** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5737AIV** **HBL5737AW** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739AIV** — A: 1.02" (26.00) B: 6.38" (162.01)
Fixture Box (Solid Base) To hang fixtures. Cover takes any device with mounting screw centers of 2.75" (69.85), 3.5" (89.00) and 4.06" (103.00). Both boxes can be used as a pull or junction box when used with HBL5736IV (blank cover).	Ivory White	**HBL5738IV** **HBL5738W** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5738AIV** **HBL5738AW** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739IV** **HBL5739W** A: 1.02" (26.00) B: 6.38" (162.01)

Specialty Round Boxes

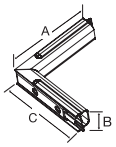
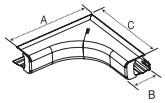
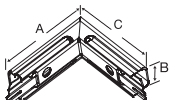
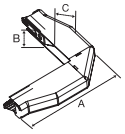
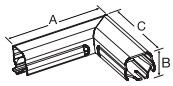
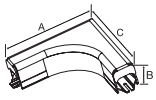
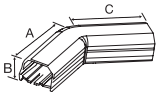
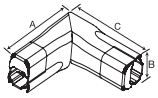
Description	Color	Catalog Number
Outlet Box For devices with mounting screw centers of 1.47" (37.00), 1.63" (41.00), 1.69" (44.00) or 1.84" (46.00).	Ivory	**HBL5733IV** A: 1.02" (26.00) B: 3.00" (76.00)
Fanbox with Solid Base Cover accepts fan bracket with mounting centers of 3.2" (81.00). Rated for fans and fixtures up to 50 lbs.	Ivory White	**HBL5738AFIV** **HBL5738AFW** A: .38" (9.75) B: 4.19" (106.30)
Retrofit Box for Fire Alarm Detectors For installing round alarm sensors.	Ivory White	**HBL5739AABIV** **HBL5739AABW** A: 1.62" (41.15) B: 6.50" (165.10)

Round Covers

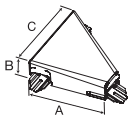
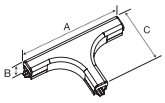
Description	Color	Catalog Number
Blank Cover For use with HBL5733IV. Has ½" trade size KO in center.	Ivory	**HBL5731IV** A: .24" (6.10) B: 2.40" (60.96)
Blank Cover For use with HBL5735IV, HBL5737IV/W, HBL5737AIV/W, HBL5739AIV, HBL5738IV/W, HBL5738AIV/W and HBL5739IV/W. Has ½" trade size KO in center.	Ivory White	**HBL5736IV** **HBL5736W** A: .38" (9.75) B: 4.19" (106.30)

Dimensions in Inches (mm)

Elbows

Description	Color	HBL500 Series	HBL750 Series	Description	Color	HBL500 and HBL750 Series
Internal Elbow For inside surfaces at right angles. 	Ivory White	**HBL517IV** **HBL517W** A: 3.33" (84.51) B: .58" (14.73) C: 3.33" (84.51)	**HBL717IV** **HBL717W** A: 3.33" (84.51) B: .90" (22.86) C: 3.33" (84.51)	**Internal Elbow Bend Radius** For inside surface at right angles requiring a 1.5" (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5717BRIV** — A: 3.33" (84.51) B: .91" (23.11) C: 3.33" (84.51)
External Elbow For outside surfaces at right angles. 	Ivory White	**HBL518IV** **HBL518W** A: 2.59" (65.71) B: ..58" (14.73) C: 2.59" (65.71)	**HBL718IV** **HBL718W** A: 2.59" (65.71) B: .90" (22.86) C: 2.59" (65.71)	**External Elbow Bend Radius** For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5718BRIV** — A: 4.86" (123.43) B: .78" (19.80) C: 1.35" (34.28)
90˚ Flat Elbow For right angle turns on same surface. 	Ivory White	**HBL511IV** **HBL511W** A: 2.68" (68.13) B: .61" (15.50) C: 2.68" (68.13)	**HBL711IV** **HBL711W** A: 2.68" (68.13) B: .90" (22.86) C: 2.68" (68.13)	**Flat Elbow Bend Radius** For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5711BRIV** — A: 3.16" (80.34) B: .91" (23.11) C: 3.16" (80.34)
45° Flat Elbow For diagonal 45° turns on same surface. 	Ivory White	**HBL512IV** — A: 2.46" (62.61) B: .58" (14.73) C: 2.46" (62.61)	**HBL712IV** — A: 2.70" (68.49) B: .91" (23.06) C: 2.70" (68.49)	**Internal Twisted Elbows** For 90° twist with 90° turn. For double turn at right angles from one to another. From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim. 	Ivory White Ivory White	Right Elbow **HBL5711RHIV** **HBL5711RHW** Left Elbow **HBL5711LHIV** **HBL5711LHW** A: 2.98" (75.72) B: .94" (23.75) C: 3.00" (76.20)

Tees

Description	Color	HBL500 and HBL750 Series	Description	Color	HBL500 and HBL750 Series
Tee Fitting For branches at right angles. 	Ivory White	**HBL5715IV** **HBL5715W** A: 3.06" (77.67) B: 1.14" (28.86) C: 3.03" (76.96)	**Tee Fitting Bend Radius** For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5715BRIV** — A: 5.55" (140.88) B: .90" (22.86) C: 3.16" (80.34)

Dimensions in Inches (mm)

End Fittings

Description	Color	HBL500 and HBL750 Series
Entrance Connector One ¾ in. KO for panel or conduit connection. One ¾ in. chase nipple and locknut furnished.	Ivory White	**HBL5786AIV** **HBL5786AW** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Adjustable Offset Connector Two ½ in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One ½ in. chase nipple and locknut furnished.	Ivory White	**HBL5786IV** **HBL5786W** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Elbow Box Connector For connecting raceway at right angles to conduit boxes, panel boxes, etc. having ½ in. nipple for trade size conduit.	Ivory	**HBL5783IV** A: 2.13" (54.05) B: 1.24" (31.50)
Elbow Conduit Connector For connecting raceway at right angles to ½ in. trade size conduit or armored cable connectors	Ivory	**HBL5784IV** A: 2.13" (54.05) B: 1.24" (31.50)
Combination Connector For connecting raceway without offsetting to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for ½ in. trade size conduit. Spring steel bushing eliminates need for conduit nipple and locknut.	Ivory White	**HBL5785IV** **HBL5785W** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Corner Box For connecting HBL500 or HBL750 Raceway from ceiling or corner. Each leg of base has ½ in. trade size KO.	Ivory White	**HBL5719IV** **HBL5719W** A: 2.50" (63.50) B: 2.50" (63.50) C: 2.40" (60.96)

Fittings

Description	Color	HBL500 Series	HBL750 Series
Mounting Strap (one- or two-hole) For mounting HBL500 or HBL750 Raceway to surface. Convert to one-hole by breaking off at score.	Ivory White	**HBL504IV** **HBL504W** A: .58" (14.73) B: .50" (12.70)	**HBL704IV** **HBL704W** A: .90" (22.86) B: .50" (12.70)
Connection Cover To cover potential openings where two lengths of HBL500 or HBL750 Raceway come together.	Ivory White	**HBL506IV** **HBL506W** A: .60" (15.24) B: .80" (20.31)	**HBL706IV** **HBL706W** A: .91" (23.10) B: .80" (20.31)
Transition Fitting For transitioning from either Wiremold® V500 to Hubbell HBL500 Raceway or Wiremold® V700 to Hubbell HBL750 Raceway.	Ivory	**HBL500TFIV** A: .65" (16.51) B: .89" (22.61) C: 2.15" (54.61)	**HBL750TFIV** A: .98" (24.89) B: .89" (22.61) C: 2.15" (54.61)
Bushing Protect wires from potential abrasion. Fits into end of HBL500 or HBL750 Raceway.	Steel*	**HBL502B** A: .35" (8.83) B: .70" (17.68)	**HBL702B** A: .60" (15.24) B: .70" (17.68)

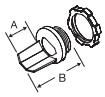
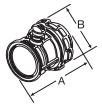
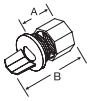
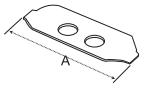
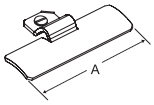
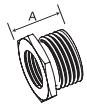
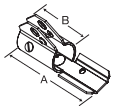
Description	Color	HBL500 and HBL750 Series
Support Clip For supporting lengths of HBL500 or HBL750 Raceway.	Ivory White	**HBL5703IV** **HBL5703W** A: 2.51" (63.75)
Flexible Section For getting around offsets, side bends, twisted turns or curved surfaces.	Ivory	**HBL5700FIV** A: 18.00" (457.20)

*Note: *Zinc Plated Steel.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

Fittings

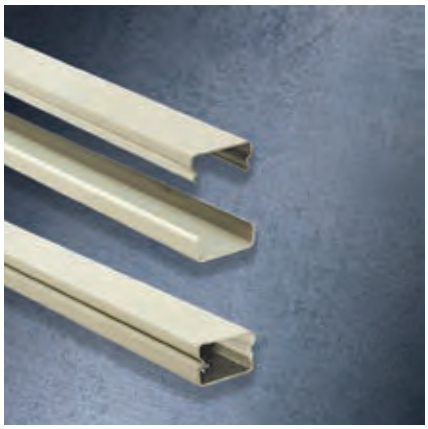
Description	Material	HBL500 and HBL750 Series		Description	Material	HBL500 and HBL750 Series
Box Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings. 	Steel*	**HBL5781** ½" NPT (13) Male A: .75" (19.1) B: 1.24" (31.62)	**HBL5781A** ¾" NPT (19) Male A: .75" (19.1) B: 1.24" (31.62)	**½ in. EMT Connector** For connecting raceway to conduit boxes or panel boxes having KO for conduit. 	Steel*	**HBL5791** A: 1.20" (30.48) B: 1.09" (27.70)
Conduit Connector For connecting raceway to conduit. 	Steel*	**HBL5782C** ½" NPT (13) Male A: .75" (19.1) B: 1.75" (44)	**HBL5782A** ¾" (19.1) Female A: .75" (19.1) B: 1.75" (44)	**Coupling** For joining and supporting lengths of HBL500 or HBL750 Raceway. 	Steel**	**HBL5701C** A: 2.00" (50.80)
Grounding Clamp Provides grounding means for ½ in. trade size conduit using locknut.	Steel**	**HBL5709GC** A: 1.04" (26.03) B: 1.18" (29.84)		**Ground Clamp** Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code. 	Steel**	**HBL5709** A: 2.00" (50.80)
Special Nipple For hanging or connecting either .375 in. (9.5) or .5 in. (12.7) fixtures to Hubbell fittings with ½ in. trade size KOs. 	Steel*	**HBL5780** A: .63" (16.00)		**Armored Cable Connector** For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to ½ in. (12.7) flex conduit. 	Steel**	**HBL5790B** A: 2.00" (50.80) B: .99" (25.25)

*Note: *Zinc Plated Steel.*
***Galvanized Steel.*

Tools

Description	HBL500 Series	HBL750 Series	Description	Color	HBL500 and HBL750 Series
Cutter Portable cutter for HBL500 and HBL750 Series Raceways.	**HBL605CUT**	**HBL607CUT**	**Raceway Bender** Portable bender for HBL500 and HBL750 Series Raceways.		**HBL600B**
Cutter Replacement Blade	**HBL605K**	**HBL607K**	**Touch-Up Paint Pen**	Ivory White	**HBLIWEP** **HBLWWEP**

Dimensions in Inches (mm)

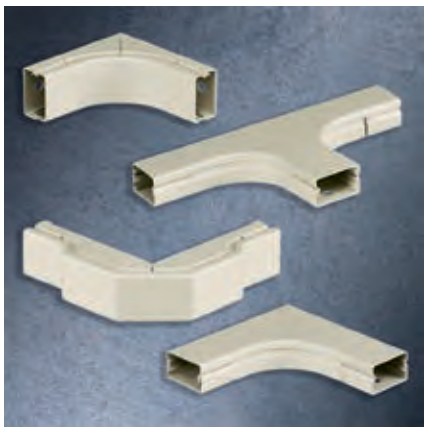


HBL2000A Raceway

- Cover is 0.040" (1.016) thick which allows up to 600V AC.
- Higher capacity power applications (up to 26 #12AWG wires).
- Available in cover only or base and cover options.

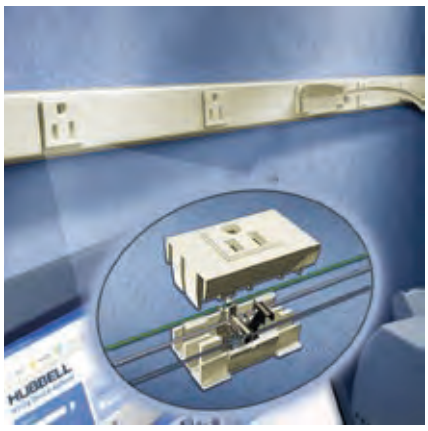
Innovative Box Design

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.
- Rounded corners eliminate sharp edges.
- One seam construction provides “clean” look.
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.
- Full line of metal wallplates available. See page R-45 for selection.



Bend Radius Fittings

- 1½ in. (38.10) bend radius.
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications.

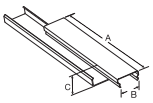


Metal PlugTrak® Featuring Exclusive Receptacle Design

- Gray or ivory scratch resistant finish.
- Multiple spacing configurations.
- Hubbell designed and manufactured single receptacle.
- Insulation displacement wiring provides superior wire retention.
- Mates with HBL2000 Series Metal Raceway.
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths.
- Tamper-Resistant versions available.

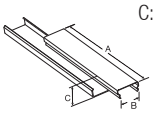
HBL2000 Series

Description	Color	Catalog Number
Base and Cover (300V Rated) Cover is 0.025 in. (0.635) thick up to 300V AC applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000BCIV** **HBL2000BCGY** A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)



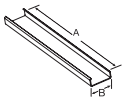
HBL2000A Series

Description	Color	Catalog Number
Base and Cover (600V Rated) Cover is 0.040 in. 1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000BCAIV** **HBL2000BCAGY** A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)

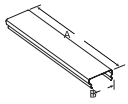


Base and Cover

Description	Color	Catalog Number
5 Ft. Base Only For use with HBL2000 and HBL2000A raceway. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000B5IV** **HBL2000B5GY** A: 60.00" (1,524.00) B: 1.31" (33.27)

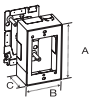


Description	Color	Catalog Number
5 Ft. Cover Only (300V Rated) Cover is 0.025 in. (0.635) thick. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CIV** **HBL2000CGY** A: 60.00" (1,524.00) B: 1.31" (33.27)
5 Ft. Cover Only (600V Rated) Cover is 0.040 in. (1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CAIV** **HBL2000CAGY** A: 60.00" (1,524.00) B: 1.31" (33.27)

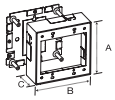


Device Boxes

Description	Color	Catalog Number
1-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	**HBL2048IV** **HBL2048GY** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)

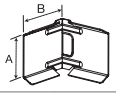


Description	Color	Catalog Number
2-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	**HBL20482IV** **HBL20482GY** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)

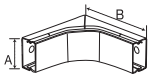


Elbows

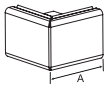
Description	Color	Catalog Number
Internal Corner Coupling For surfaces at right angles, or for use as a straight-through fitting. Furnished with one fiber bushing.	Steel**	**HBL2017TC** A: 1.30" (32.98) B: 1.40" (35.56)



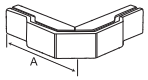
Description	Color	Catalog Number
Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5" (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2017BRIV*** **HBL2017BRGY*** A: .85" (21.56) B: 3.47" (88.11)



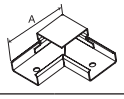
Description	Color	Catalog Number
External Elbow Coupling For right angle turns around external corners.	Ivory Gray	**HBL2018CIV** **HBL2018CGY** A: 1.88" (47.75)



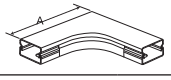
Description	Color	Catalog Number
External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2018BRIV*** **HBL2018BRGY*** A: 5.11" (129.72)



Description	Color	Catalog Number
90° Flat Elbow For right angle turns on same surface.	Ivory Gray	**HBL2011IV*** **HBL2011GY*** A: 2.56" (65.02)

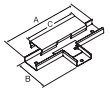


Description	Color	Catalog Number
Flat Elbow Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2011BRIV*** **HBL2011BRGY*** A: 4.29" (109.03)

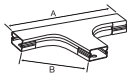


Tees

Description	Color	Catalog Number
Tee Fitting For branches at right angles. Couplings furnished.	Ivory Gray	**HBL2015IV*** **HBL2015GY*** A: 6.00" (152.40) B: 2.81" (71.44) C: 4.00" (101.60)



Description	Color	Catalog Number
Tee Fitting Bend Radius For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2015BRIV*** **HBL2015BRGY*** A: 7.35" (186.78) B: 4.33" (110.00)



*Note: *HBL2001C couplings included.*
***Galvanized Steel.*

Dimensions in Inches (mm)

End Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	**HBL2000TFIV** **HBL2000TFGY** A: .82" (20.71) B: 1.38" (35.12) C: 2.04" (51.82)
Blank End Fitting For closing open end of HBL2000 Raceway.	Ivory Gray	**HBL2010BIV** **HBL2010BGY** A: .78" (19.94)
End Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway.	Ivory	**HBL2089EIV** A: .78" (19.81)

Description	Color	Catalog Number
Entrance End Fitting For connecting HBL2000 Raceway with one ½ in. conduit and armored cable connectors.	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY** A: 3.01" (76.45) B: 1.30" (33.02) C: 1.49" (37.85)
Large Capacity Entrance End Fitting Offers larger capacity than HBL2010A2IV/GY. One ½ in. trade size KO on each side, ½ in. and ¾ in. concentric KOs on end and bottom.	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY** A: 3.69" (93.80) B: 2.02" (51.18) C: 1.79" (45.36)
Side Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway.	Ivory	**HBL2089IV*** A: 6.00" (152.40) B: 3.25" (82.55)

Fittings

Description	Color	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBL2000 Raceway cover come together.	Ivory Gray	**HBL2006IV** **HBL2006GY** A: .75" (19.05)
Wire Clip For holding conductors in place in the raceway base. For use when using the HBL2000CIV/GY cover only.	Steel**	**HBL2000WC** A: .44" (11.18) B: .24" (6.03) C: 1.24" (31.50)
Coupling For joining lengths of HBL2000 Raceway.	Steel**	**HBL2001C** A: 2.00" (50.80)
Ground Clamp For connection of equipment grounding conductor to provide an additional ground to raceway. Galvanized steel.	Steel**	**HBL2009GC** A: 1.00" (25.64)

Description	Color	Catalog Number
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. ½ in. threaded stud with steel locknut for grounding.	Ivory Gray	**HBL2051HIV** **HBL2051HGY** A: 4.50" (114.30)
Wire Clip For holding conductors in place in the raceway base. For use when using the HBL2000CAIV/GY cover only.	Steel**	**HBL2000WCA** A: .44" (11.18) B: .60" (15.17) C: 1.24" (31.50)
Supporting Clip For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	Steel**	**HBL2003SC** A: 2.00" (50.80)

*Note: *HBL2001C couplings included.*
***Galvanized Steel.*

Tools

Description	Catalog Number
Cutter Portable cutter for HBL2000 Series Raceway. (Not for use with HBL2000A series).	**HBL620C**
Cutter Replacement Blade Set	**HBL620BCK**

Description	Color	Catalog Number
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

Available in Standard, Isolated Ground (IG) and Tamper-Resistant (TR) versions.

TR Tamper-Resistant

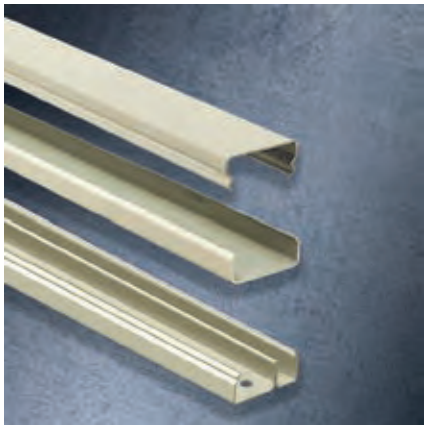
	Amp	Circuits	# Single Recept.	Receptacle Spacing (in.)	Ivory	Gray
3 Foot	15	Single	6	6	**HBL20GB306IV**	**HBL20GB306GY**
	15	IG/Single	6	6	**HBL20IG306IV**	**HBL20IG306GY**
	15	TR/Single	6	6	**HBL20GB306IVTR**	**HBL20GB306GYTR**
	20	Single	6	6	**HBL24GB306IV**	**HBL24GB306GY**
	20	TR/Single	6	6	**HBL24GB306IVTR**	**HBL24GB306GYTR**
5 Foot	15	Single	10	6	**HBL20GB506IV**	**HBL20GB506GY**
	15	Single	5	12	**HBL20GB512IV**	**HBL20GB512GY**
	15	Two	5	12	**HBL20GBA512IV**	**HBL20GBA512GY**
	15	IG/Single	5	12	**HBL20IG512IV**	**HBL20IG512GY**
	15	TR/Single	5	12	**HBL20GB512IVTR**	**HBL20GB512GYTR**
	20	Single	10	6	**HBL24GB506IV**	**HBL24GB506GY**
	20	Single	5	12	**HBL24GB512IV**	**HBL24GB512GY**
	20	Two	5	12	**HBL24GBA512IV**	**HBL24GBA512GY**
	20	TR/Two	5	12	**HBL24GB512IVTR**	**HBL24GB512GYTR**
6 Foot	15	Single	12	6	**HBL20GB606IV**	**HBL20GB606GY**
	15	Single	8	9	**HBL20GB609IV**	**HBL20GB609GY**
	15	Single	6	12	**HBL20GB612IV**	**HBL20GB612GY**
	15	Single	4	18	**HBL20GB618IV**	**HBL20GB618GY**
	15	Two	8	9	**HBL20GBA609IV**	**HBL20GBA609GY**
	15	Two	6	12	**HBL20GBA612IV**	**HBL20GBA612GY**
	15	Two	4	18	**HBL20GBA618IV**	**HBL20GBA618GY**
	15	IG/Single	12	6	**HBL20IG606IV**	**HBL20IG606GY**
	20	Single	12	6	**HBL24GB606IV**	**HBL24GB606GY**
	20	Single	6	12	**HBL24GB612IV**	**HBL24GB612GY**
	20	Single	4	18	**HBL24GB618IV**	**HBL24GB618GY**
	20	Two	6	12	**HBL24GBA612IV**	**HBL24GBA612GY**
	20	Two	4	18	**HBL24GBA618IV**	**HBL24GBA618GY**

	Amp	Circuits	Length (in.)	Cord Length (ft.)	# Single Recept.	Ivory	Gray
Portable	15	Single	40	6	6	**HBL20C215IV**	**HBL20C215GY**
	15	Single	64	6	10	**HBL20C315IV**	**HBL20C315GY**

Note: IG = Isolated Ground and TR = Tamper-Resistant.
Hubbell Metal PlugTrak is supplied with two HBL2010BIV/GY blank end fittings and one HBL2001C coupling. Catalog number suffix "IV" for ivory finish and "GY" for gray finish. Outlets match raceway color. "IG" Isolated ground receptacles are orange color. Portable PlugTrak includes 15A circuit breaker.

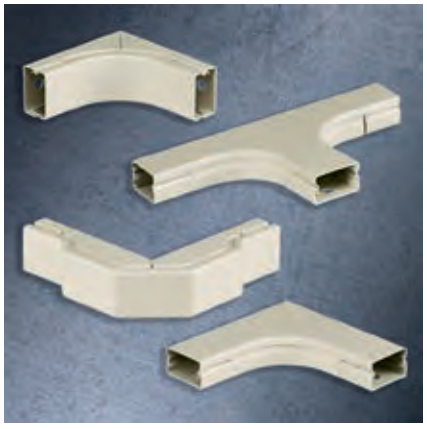
	Description	Color	Catalog Number
Boxes	1-Gang Device Box	Ivory Gray	**HBL2048IV** **HBL2048GY**
	2-Gang Device Box	Ivory Gray	**HBL20482IV** **HBL20482GY**
Elbows and Tees	External Elbow	Ivory Gray	**HBL2018CIV** **HBL2018CGY**
	Flat Elbow	Ivory Gray	**HBL2011IV** **HBL2011GY**
	Tee	Ivory Gray	**HBL2015IV** **HBL2015GY**
End Fittings	Entrance End Fitting	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY**
	Large Entrance End Fitting	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY**
	Blank End Fitting	Ivory Gray	**HBL2010BIV** **HBL2010BGY**
Fittings	Cover Clip	Ivory Gray	**HBL2006IV** **HBL2006GY**
	Supporting Clip	Steel**	**HBL2003SC***
	Coupling	Steel**	**HBL2001C**
	Internal Corner Coupling	Steel**	**HBL2017TC**

*Note: *Support clip HBL2003SC for supporting Portable Metal PlugTrak only.*
***Galvanized Steel.*
See pages R-10 and R-11 for additional information.



HBL2400 and HBL2400D Raceway

- Increased capacity, more than the HBL2000 Series Raceway.
- Divided base allows for dual services within one raceway profile.



Bend Radius Fittings

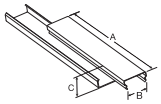
- 1½ in. (38.10) bend radius.
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications.

Innovative Box Design

- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.
- Rounded corners eliminate sharp edges.
- One seam construction provides “clean” look.
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.
- Full line of metal wallplates available. See page R-45 for selection.

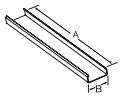
HBL2400 Series

Description	Color	Catalog Number
Undivided Base and Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400BCIV** A: 60.00" (1,524.00) B: 1.91" (48.51) C: .88" (22.40)



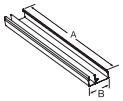
HBL2400 Series Base and Cover

Description	Color	Catalog Number
10 Ft. Base, Undivided Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400B10IV** A: 120.00" (3,048.00) B: 1.91" (48.51)
5 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400BIV** A: 60.00" (1,524.00) B: 1.91" (48.51)

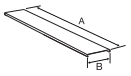


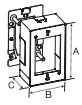
HBL2400D Series Base and Cover

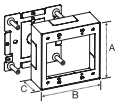
Description	Color	Catalog Number
10 Ft. Base, Divided Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400BDIV** A: 120.00" (3,048.00) B: 1.91" (48.51)



Description	Color	Catalog Number
5 Ft. Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400CIV** A: 60.00" (1,524.00) B: 1.89" (48.00)







Standard

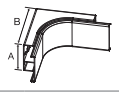
Description	Color	Type	1-Gang	2-Gang
Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Ivory	Divided Undivided	— **HBL2448IV** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	— **HBL24482IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)

Extra Deep

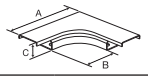
Description	Color	Type	1-Gang	2-Gang
Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box (undivided box pictured).	Ivory Ivory	Divided Undivided	**HBL2444DIV** **HBL2444IV** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	**HBL2444D2AIV** **HBL24442IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)

Elbows and Tees

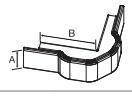
Description	Color	Type	Catalog Number
Internal Elbow Bend Radius For inside surfaces at right angles, requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2417DFOIV*** **HBL2417IV**** A: 1.91" (48.51) B: 3.60" (91.30)



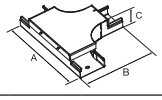
Description	Color	Type	Catalog Number
90˚ Flat Elbow Bend Radius For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2411DFOIV*** **HBL2411IV**** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)



Description	Color	Type	Catalog Number
External Elbow Bend Radius For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2418DFOIV*** **HBL2418IV**** A: 1.91" (48.51) B: 3.83" (97.28)



Description	Color	Type	Catalog Number
Tee Fitting Bend Radius For branches at right angles. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2415DFOIV*** **HBL2415IV**** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)



*Note: *HBL2401DC couplings included.*
***HBL2401C couplings included.*

Dimensions in Inches (mm)

End Fittings

Description	Color	Type	Catalog Number
Entrance End Fitting End fitting with ½ in. and ¾ in. concentric trade size KOs on end and bottom. Additional ½ in. trade size KOs on sides.	Ivory Ivory	Divided Undivided	— **HBL2410CIV** A: 3.69" (93.8) B: 2.02" (51.2) C: 1.79" (45.4)
Entrance End Fitting For connecting HBL2400 Raceway with one ½ in. conduit and armored cable connectors.	Ivory Ivory	Divided Undivided	— **HBL2410AIV** A: 1.16" (29.50) B: 1.89" (49.00) C: 1.66" (42.20)
Transition Fitting For transitioning from Wiremold® 2400D/2400 Raceway to Hubbell HBL2400/HBL2400D Raceway.	Ivory Ivory	Divided Undivided	**HBL2400DTFIV** **HBL2400TFIV** A: 2.02" (51.31) B: 1.06" (26.92)
Entrance End Fitting Bend Radius Divided, bend radius end fitting to feed HBL2400 and HBL2400D Series Raceway. Includes 1 in. and ¾ in. trade size KOs on back and end. Removable divider and bend radius inserts included.	Ivory Ivory	Divided Undivided	**HBL2410DFOIV** — A: 7.08" (179.83) B: 4.72" (119.89) C: 2.76" (70.10)
Entrance End Fitting Full Capacity Full capacity entrance end to feed HBL2400 Series Raceway. Includes three 1 in. and ¾ in. concentric trade size KOs.	Ivory Ivory	Divided Undivided	— **HBL2410FCIV** A: 3.04" (77.23) B: 2.61" (66.29) C: 2.23" (56.64)
Blank End Fitting For closing open end of HBL2400 Raceway.	Ivory Ivory	Divided Undivided	**HBL2410BDIV** **HBL2410BIV** A: 1.17" (29.72) B: 1.96" (49.78) C: .84" (21.34)

Fittings

Description	Color	Catalog Number
End Reducing Connector For connecting HBL2400 Raceway to HBL2000 Raceway through end of HBL2400 Raceway.	Ivory	**HBL2420REDIV*** A: 3.81" (96.77) B: 2.07" (52.58) C: .90" (22.86)
Side Reducing Connector For connecting HBL2400 Raceway to HBL500 Raceway through side of HBL2400 Raceway.	Ivory	**HBL2489IV*** A: 3.75" (95.25) B: 1.91" (48.51) C: .82" (20.83)
Cover Clip Use to cover potential openings where two pieces of HBL2400 Raceway cover come together.	Ivory	**HBL2406IV** A: 1.50" (38.10)
Wire Clip (Plated) For holding conductors in place.	Steel**	**HBL2400WC** A: 1.69" (42.93) B: 1.00" (25.40) C: .79" (20.00)
Coupling (Plated), Divided For joining lengths of HBL2400 Raceway.	Steel**	**HBL2401DC** A: 2.00" (50.80) B: 1.86" (47.24)
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	Ivory	**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)
Bridge Fitting For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways.	Ivory	**HBL2475DBRIV** A: 5.60" (142.24) B: 2.92" (74.17) C: 1.63" (41.40)
Flush Plate Adaptor For feeding HBL2400 Raceway from an existing wall outlet box ½ in. trade size male nipple. Provided with locknut for grounding.	Ivory	**HBL2451HIV*** A: 4.50" (114.30)
Ground Clamp (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway.	Steel**	**HBL2409GC** A: .41" (10.41)
Coupling (Plated), Undivided For joining lengths of HBL2400 Raceway.	Steel**	**HBL2401C** A: 2.00" (50.80) B: 1.86" (47.24)

*Note: *Only used on HBL2400 Series Undivided Raceway.*
***Galvanized Steel.*

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Dimensions in Inches (mm)

Devices and Frames

Description	Color	Catalog Number
Duplex Receptacle Frame Use this frame in conjunction with duplex receptacles below.	Ivory	**HBL24DRK*** A: 5.26" (133.60) B: 2.00" (50.80)
Receptacle Bracket and Frame Use in low voltage applications with ISFxxAL frames found on page R-45.	Ivory	**HBL24106RRK*** A: 6.00" (152.40) B: 2.02" (51.31)
Duplex Receptacle		
15A, 125V	Ivory	**PT2RC***
15A, 125V Isolated Ground	Orange	**PT2RCIG***
20A, 125V	Ivory	**PT2R***
20A, 125V Isolated Ground	Orange	**PT2RIG***
#12 AWG THHN stranded copper wires with 20 in. leads on each end.		A: 4.00" (101.60) B: 1.24" (31.50) C: .84" (21.34)
Lamp Holder Medium base lamp holder 660W 250V ceramic. Ivory (Cover) White Ceramic (Lamp Holder).	Ivory	**HBL2426IV*** A: 5.00" (127.00) B: 1.89" (48.01) C: 1.03" (26.16)

Description	Color	Catalog Number
Duplex Bracket and Frame Use in low voltage applications with BR106AL and Q106AL frames found on page R-45.	Ivory	**HBL24106DRK*** A: 6.00" (152.40) B: 2.02" (51.31)
Single Receptacle Frame Use this frame in conjunction with single receptacles below.	Ivory	**HBL24SRK*** A: 3.26" (82.80) B: 2.00" (50.80)
Single Receptacle		
15A, 125V	Ivory	**PT1RCIV***
15A, 125V Isolated Ground	Orange	**PT1RCIG***
15A, 125V Tamper-Resistant	Ivory	**PT15RIVTR*** TR
15A, 125V Tamper-Resistant	Gray	**PT15RGYTR***
20A, 125V	Ivory	**PT1RIV***
20A, 125V Isolated Ground	Orange	**PT1RIG***
20A, 125V Tamper-Resistant	Ivory	**PT20RIVTR*** TR
20A, 125V Tamper-Resistant	Gray	**PT20RGYTR***
#12 AWG THHN stranded copper wires with 21 in. leads on each end.		A: 2.00" (50.80) B: 1.20" (30.48) C: .87" (22.10)

*Note: *Only used on HBL2400 Series Undivided Raceway.*

Tools

Description	Catalog Number
Cutter Portable cutter for HBL2400/ HBL2400D Series Raceway.	**HBL624CUT**
Cutter Replacement Blade Set	**HBL624BCK**

Description	Color	Catalog Number
Touch-Up Paint Pen	Ivory	**HBLIWEP**

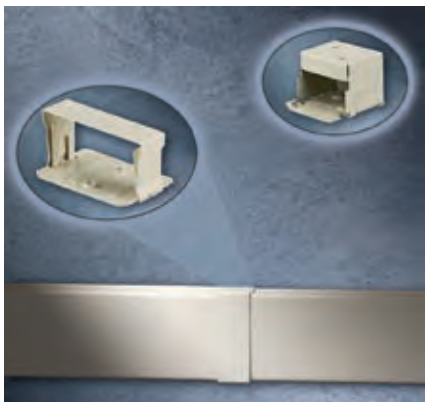
Dimensions in Inches (mm)

Extensive Line

- Full line of large, single channel, two piece metal raceway.
- Easily mounts on walls or bench tops.
- Large single channel base for power or datacom cables.
- UL Listed and CSA Certified.
- Available in ivory or gray powder coat finish.

Plates and Covers

- Wide range of covers and cover plates accommodate the most demanding applications.
- Removable cover and cover plates provide easy access to wiring compartment.
- Precut covers and plates provide quick installation and are available in common configurations.



Transition Fittings

- UL Classified to transition from Wiremold® 3000 Series Metal Raceway to Hubbell HBL3000 Series Metal Raceway.
- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway.

Wiremold® 3000 Series to Hubbell HBL3000 Series utilizing Hubbell transition fitting.

Boxes

- Hubbell Handi-Screw® eliminates “difficult-to-install” long screws for faster mounting.
- Rounded corners eliminate sharp edges.
- One seam construction provides “clean” look.
- Large capacity allows for the installation of 30, 50 or 60A receptacles.
- Utility box can be used as a tee, cross, junction box or as a branch circuit extension.

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HBL3000 Series

Description	Color	Catalog Number
Single Channel Base Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 2.75" (69.85) H: 1.53" (38.86)	Ivory Gray	**HBL3000BIV** **HBL3000BGY** A: 2.73" (69.34) B: 1.47" (37.34)
5 Ft. Cover Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL3000CEIV** **HBL3000CEGY** A: 60.00" (1,524.00) B: 2.75" (69.85)
19.5 In. Precut Cover* For mounting devices on 24 in. (610.00) centers.	Ivory Gray	**HBL3000C195IV** **HBL3000C195GY** A: 19.50" (495.30) B: 2.75" (69.85)
7.5 In. Precut Cover* For mounting devices on 12 in. (305.00) centers.	Ivory Gray	**HBL3000C075IV** **HBL3000C075GY** A: 7.50" (190.50) B: 2.75" (69.85)

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Boxes

Description	Color	Catalog Number
Utility Box Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions.	Ivory Gray	**HBL3028IV** **HBL3028GY** A: 6.41" (162.89) B: 6.41" (162.89) C: 1.90" (48.26)
2-Gang Extra Deep Switch and Receptacle Box For standard 30, 50 and 60A straight blade receptacles.	Ivory Gray	**HBL30442IV** **HBL30442GY** A: 6.38" (162.05) B: 6.38" (162.05) C: 2.75" (69.85)

Elbows and Tees

Description	Color	Catalog Number
Internal Corner Coupling For surfaces at right angles or for use as a straight-through fitting.	Ivory Gray	**HBL3017TCEIV** **HBL3017TCEGY** A: 2.61" (66.29)
External Corner Coupling For right angle turns around external corners.	Ivory Gray	**HBL3018AEIV** **HBL3018AEGY** A: 4.00" (101.60)
90° Flat Elbow For right angle turns on same surface.	Ivory Gray	**HBL3011EIV** **HBL3011EGY** A: 6.40" (162.40) B: 6.00" (152.40)
Tee Fitting For branches at right angles. Couplings furnished.	Ivory Gray	**HBL3015EIV** **HBL3015EGY** A: 10.31" (261.94) B: 8.00" (203.20)

Dimensions in Inches (mm)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting For connecting HBL3000 Raceway with ½ in. conduit and armored cable connectors.	Ivory Gray	**HBL3010AEIV** **HBL3010AEGY** A: 2.75" (69.85) B: 3.42" (86.87)
Blank End Fitting For closing open end of HBL3000 Raceway. Has concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL3010BIV** **HBL3010BGY** A: 2.71" (68.92) B: 1.79" (45.36) C: 1.41" (35.84)
Conduit Connector To connect end of HBL3000 Raceway to 1½ in. trade size conduit or connector.	Gray	**HBL3082GY** A: 2.91" (74.00) B: 2.75" (69.85)
Entrance End Fitting For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric ½ in., ¾ in. and 1 in. trade size KOs on end and each side.	Ivory Gray	**HBL3010CIV** **HBL3010CGY** A: 2.75" (69.85) B: 3.25" (82.55) C: 2.00" (50.80)
Panel Connector To connect HBL3000 Raceway with surface type boxes.	Ivory Gray	**HBL3086IV** **HBL3086GY** A: 4.60" (116.71) B: 1.19" (30.16) C: 3.00" (76.20) D: 1.94" (49.40) E: 3.76" (95.50)

Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway.	Ivory Gray	**HBL3000TFIV** **HBL3000TFGY** A: 2.85" (72.39) B: 2.15" (54.61) C: 1.50" (38.04)
Wall Box Connector For connecting to HBL3000 Raceway from a flush mounted wall box.	Ivory Gray	**HBL3014CIV** **HBL3014CGY** A: 8.00" (203.20) B: 3.28" (83.31)
Cover Clip Use to cover potential openings where two pieces of HBL3000 Raceway come together.	Ivory Gray	**HBL3006EIV** **HBL3006EGY** A: 2.78" (70.60) B: .75" (19.05)
Wire Clip (Plated) For holding conductors in place.	Steel*	**HBL3000WCGY** A: 1.00" (25.40)
Coupling (Plated) For joining lengths of HBL3000 Raceway.	Steel*	**HBL3001GY** A: 2.20" (55.75)
Take-Off Connector (Reducer) Transition Hubbell HBL3000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	**HBL3200REDIV** **HBL3200REDGY** A: 2.75" (69.85) B: 2.25" (57.15)
Tap-Off Fitting Has concentric ½ in. and ¾ in. trade size KOs and twistout for communication cables.	Ivory Gray	**HBL3046H2IV** **HBL3046H2GY** A: 4.75" (120.65)
Supporting Clip For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway.	Ivory Gray	**HBL3003IV** **HBL3003GY** A: 2.81" (71.33) B: .75" (19.05)
Rigid Inside Coupling (Plated) For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead.	Steel*	**HBL3001AGY** A: 6.00" (152.40)

*Note: *Galvanized Steel.*

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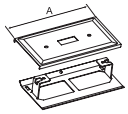
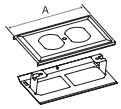
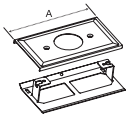
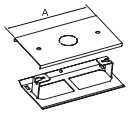
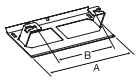
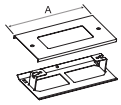
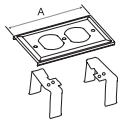
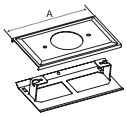
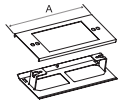
Dimensions in Inches (mm)

Device Bracket and Cover Plates

Description	Color	Catalog Number
Switch Cover For installing single pole, two pole, three way or four way switches. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3040CEIV** **HBL3040CEGY** A: 4.50" (114.30)
Duplex Receptacle Cover For installing 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3043BEIV** **HBL3043BEGY** A: 4.50" (114.30)
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3027AEIV** **HBL3027AEGY** A: 4.50" (114.30)
Blank Cover Has one ½ in. trade size KO in center. Includes HBL3007CGY bracket. 	Ivory Gray	**HBL3036HEIV** **HBL3036HEGY** A: 4.50" (114.30)
Device Bracket For mounting standard devices in HBL3000 Raceway. Use with commercially available flush plate (not furnished). 	Steel*	**HBL3007CGY** A: 4.50" (114.30) B: 3.28" (83.31)

Description	Color	Catalog Number
Rectangular Style Line® Recept. Cover For installing 15A and 20A rectangular duplex receptacles, GFCI, surge devices, and rectangular communication frames shown on page R-45. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3048RIV** **HBL3048RGY** A: 4.50" (114.30)
Duplex Receptacle Cover For high strain/vibration. For installing 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes device brackets. 	Ivory Gray	**HBL3046BEIV** **HBL3046BEGY** A: 5.38" (136.65)
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.56 in. to 1.57 in. (39.62 to 39.88). Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3033JEIV** **HBL3033JEGY** A: 4.50" (114.30)
Extension Cover Cover accepts 3-wire 30A and 50A devices and standard commercially available flush plates. Includes HBL3007CGY device bracket. See page R-45 for plate options. 	Ivory Gray	**HBL3051LEIV** **HBL3051LEGY** A: 4.50" (114.30)

*Note: *Galvanized Steel.*

Tools

Description	Color	Catalog Number
Base Cutter Portable cutter for HBL3000 Raceway Base.		**HBL630B**
Replacement Blade Cutter and Die Set Base blade set.		**HBL630BDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Description	Catalog Number
Cover Cutter Portable cutter for HBL3000 Raceway Cover.	**HBL630C**
Replacement Blade Cutter and Die Set Cover blade set.	**HBL630CDK**

Dimensions in Inches (mm)

HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications.
- For use with Hubbell KP plates and Hubbell iSTATION modules and bezels.
- Provides flush finish with overlap feature to hide potential miscuts.

Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split.
- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel.
- Greater capacity offers more room for moves, adds and changes.
- 50/50 split available by utilizing standard divider and divider clips.
- Raceway channel can also be used with no divider for maximum cable fill in single service applications.

End Reducing Connector

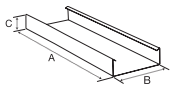
- Connects HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway.
- Used to connect two different sized raceway profiles.

Extensive Line

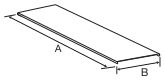
- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements.
- Integral bend radius offers a fixed solution that does not have to be installed as an option.
- Large cross sectional area provides for maximum cable capacity throughout entire system.
- Available external, internal, flat, tee and entrance end fittings.
- UL Listed, CSA Certified.
- Available in ivory or gray powder coat finish.

HBL4750 Series

Description	Color	Catalog Number
Single Channel Base Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.75" (120.65) H: 1.75" (44.45)	Ivory Gray	**HBL4750B10IV** **HBL4750B10GY** A: 120.00" (3048.00) B: 4.75" (120.65) C: 1.62" (41.20)



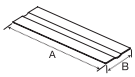
Description	Color	Catalog Number
5 Ft. Cover Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL4750CIV** **HBL4750CGY** A: 60.00" (1,524.0) B: 4.75" (120.65)
31.5 In. Precut Cover* For 36 in. (915.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C315IV** **HBL4750C315GY** A: 31.50" (800.10) B: 4.75" (120.65)
19.5 In. Precut Cover* For 24 in. (610.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C195IV** **HBL4750C195GY** A: 19.50" (495.30) B: 4.75" (120.65)
13.5 In. Precut Cover* For 18 in. (457.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C135IV** **HBL4750C135GY** A: 13.50" (342.90) B: 4.75" (120.65)
7.5 In. Precut Cover* For 12 in. (305.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C075IV** **HBL4750C075GY** A: 7.50" (190.50) B: 4.75" (120.65)

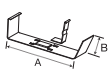


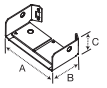
*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Fittings

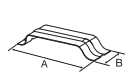
Description	Color	Catalog Number
Divider Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL4751DA Divider Clips are required to hold divider in place.	Painted Steel	**HBL4750DGY** A: 60.00" (1,524.0) B: 1.51" (38.46)
Divider Clip Required for holding HBL4750DGY in place. Use one every 2.5 ft. (.762m).	Steel**	**HBL4751DA** A: 4.64" (117.77) B: 1.46" (37.07)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	**HBL4717TCAGY** A: 4.59" (116.59) B: 2.71" (68.73) C: 1.47" (37.34)

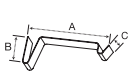






Description	Color	Catalog Number
By-Pass Divider Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill. HBL4751DA Divider Clips are required to hold divider in place.	Painted Steel	**HBL4750BP** A: 7.12" (180.74) B: .89" (22.54)
Wire Clip (Plated) For holding conductors in place.	Steel**	**HBL4750WCGY** A: 4.60" (116.74) B: 1.58" (40.13) C: 1.00" (25.40)
Coupling (Plated) For joining lengths of HBL4750 Raceway. Sold in pairs.	Steel**	**HBL4751AC** A: 1.47" (37.30) B: .42" (10.59)





*Note: **Galvanized Steel.*

Dimensions in Inches (mm)

Elbows

Description	Color	Catalog Number
Internal Elbow, Divided For inside surfaces at right angles. Full capacity 1¼ in. bend radius internal elbow.	Ivory Gray	**HBL4717DFOIV*** **HBL4717DFOGY*** A: 4.74" (120.47) B: 4.75" (120.65)
Internal Elbow, Undivided For inside surfaces at right angles.	Ivory Gray	**HBL4717IV*** **HBL4717GY*** A: 4.74" (120.47) B: 4.75" (120.65)
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	Ivory Gray	**HBL4718DFOIV*** **HBL4718DFOGY*** A: 4.88" (123.90) B: 4.75" (120.65)
External Elbow, Undivided For right angle turns around external corners.	Ivory Gray	**HBL4718IV*** **HBL4718GY*** A: 4.88" (123.90) B: 4.75" (120.65)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	Ivory Gray	**HBL4711DFOIV*** **HBL4711DFOGY*** A: 7.23" (183.76) B: 1.62" (41.15)
Flat Elbow, Undivided For right angle turns on same surface.	Ivory Gray	**HBL4711IV*** **HBL4711GY*** A: 7.23" (183.76) B: 1.62" (41.15)
Internal or External 45º Elbow For making internal or external turns in a run of HBL4750 Raceway.	Ivory Gray	**HBL4712TXIV** **HBL4712TXGY** A: 6.04" (153.45) B: 4.59" (116.59)
Inverted Internal Elbow For connecting a vertical run of HBL4750 Raceway with a horizontal run.	Ivory Gray	**HBL4717NIV** **HBL4717NGY** A: 4.60" (116.84) B: 1.66" (42.29)

Tees

Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	**HBL4715DFOIV*** **HBL4715DFOGY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)
Tee Fitting, Undivided For branches at right angles.	Ivory Gray	**HBL4715IV*** **HBL4715GY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)

*Note: *HBL4751AC couplings included.*

Dimensions in Inches (mm)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in., 1¼ in. KO and removable divider.	Ivory Gray	**HBL4710DFOIV*** **HBL4710DFOGY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)
Entrance End Fitting, Undivided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	**HBL4710IV*** **HBL4710GY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)
Blank End Fitting For closing open end of HBL4750 Raceway. Has two ½ in. trade size KOs.	Ivory Gray	**HBL4710BIV** **HBL4710BGY** A: 4.59" (116.50) B: 1.64" (41.60) C: 1.31" (33.37)
Panel Connector To connect HBL4750 Raceway with surface type panel boxes.	Ivory Gray	**HBL4786AIV** **HBL4786AGY** A: 7.50" (190.50)

Fittings

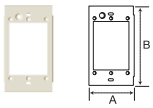
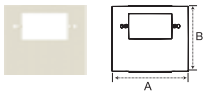
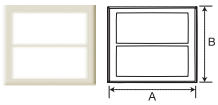
Description	Color	Catalog Number
Transition Fitting For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway.	Ivory Gray	**HBL4750TFIV** **HBL4750TFGY** A: 5.02" (127.53) B: 2.79" (70.78)
Wall Box Connector For back feeding HBL4750 Raceway.	Ivory Gray	**HBL4714AIV** **HBL4714AGY** A: 12.00" (304.80) B: 4.75" (120.65) C: 1.62" (41.15)
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	Ivory Gray	**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)
Bridge Fitting To bridge HBL4750 series raceway over perpendicular run of raceway or other obstruction. Use standard raceway base and cover, cut in field to required length. Consists of two bridge pieces.	Ivory Gray	**HBL4775DKITIV** **HBL4775DKITGY** A: 4.76" (120.90) B: 5.00" (127.00) C: 3.38" (85.85)
Take-Off Connector (HBL4750 To HBL3000) For 90° tee connection of HBL3000 Raceway from HBL4750 Raceway.	Ivory Gray	**HBL4774AIV** **HBL4774AGY** A: 11.31" (287.38) B: 4.88" (124.00) C: 3.14" (79.78)
2-Gang Tap-Off Fitting Has four concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL4746H2IV** **HBL4746H2GY** A: 4.75" (120.65) B: 4.75" (120.65)
Connection Cover For covering potential openings where two covers come together.	Ivory Gray	**HBL4756AIV** **HBL4756AGY** A: 4.77" (121.16) B: .75" (19.05) C: .13" (3.36)

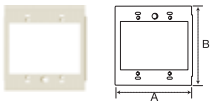
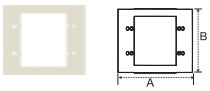
*Note: *HBL4751AC couplings included.*

Wiremold® is a registered trademark of the Wiremold Company.

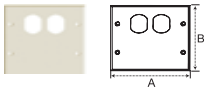
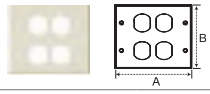
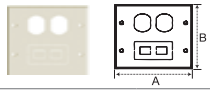
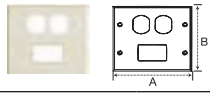
Dimensions in Inches (mm)

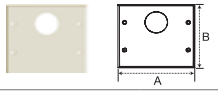
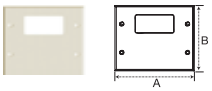
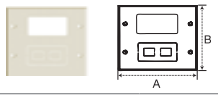
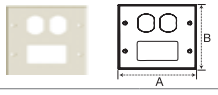
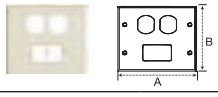
Device Plates and Mounting Bracket

Description	Color	Catalog Number
1-Gang Commercial Device Plate Vertical Mount Use with commercially available 1-gang flush plates. See page R-45 for plate options. For single service applications only. 	Ivory Gray	**HBL4747CVMIV** **HBL4747CVMGY** A: 2.50" (63.50) B: 4.75" (120.65)
2-Gang, One Opening for 1-Gang Comm. Device Plate, One Blank Use with commercially available 1-gang flush plates. See page R-45 for plate options. 	Ivory Gray	**HBL4747C1IV** **HBL4747C1GY** A: 5.12" (130.18) B: 4.75" (120.65)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages R-45 and R-46 for datacom product selection. 	Ivory Gray	**HBL4750IV** **HBL4750GY** A: 5.25" (133.35) B: 4.76" (120.90)

Description	Color	Catalog Number
2-Gang Commercial Device Plate Vertical Mount Use with commercially available 2-gang flush plates. See page R-45 for plate options. For single service applications only. 	Ivory Gray	**HBL4747CVM2IV** **HBL4747CVM2GY** A: 4.32" (109.86) B: 4.75" (120.65)
2-Gang, One Opening for 2-Gang Commercial Device Plate Use with commercially available 2-gang flush plates. See page R-45 for plate options. 	Ivory Gray	**HBL4747C2IV** **HBL4747C2GY** A: 5.12" (130.18) B: 4.75" (120.65)

2-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
2-Gang Cover, Single Round Opening, One Blank For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00).	Ivory Gray	**HBL4747AXIV** **HBL4747AXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Blank For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. 	Ivory Gray	**HBL4747BXIV** **HBL4747BXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, Two Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. 	Ivory Gray	**HBL4747BBIV** **HBL4747BBGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL4747BFIV** **HBL4747BFGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Ortronics® Series II® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel. 	Ivory Gray	**HBL4747BSIV** **HBL4747BSGY** A: 5.43" (137.97) B: 4.75" (120.65)

Description	Color	Catalog Number
2-Gang, Single Round Opening, One Blank For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13). 	Ivory Gray	**HBL4747JXIV** **HBL4747JXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Style Line® Opening, One Blank For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication frames shown on page R-45. 	Ivory Gray	**HBL4747RXIV** **HBL4747RXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Style Line® Opening, One Modular Furniture For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL4747RFIV** **HBL4747RFGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Style Line® Opening For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45. 	Ivory Gray	**HBL4747BRIV** **HBL4747BRGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel. 	Ivory Gray	**HBL4747BTIV** **HBL4747BTGY** A: 5.43" (137.97) B: 4.75" (120.65)

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Dimensions in Inches (mm)

4-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
4-Gang, Four Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45.	Ivory Gray	**HBL47472BBBBIV** **HBL47472BBBBGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Style Line® Openings For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45.	Ivory Gray	**HBL47472BBRRIV** **HBL47472BBRRGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	**HBL47472BBFFIV** **HBL47472BBFFGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Blanks For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes two blanks.	Ivory Gray	**HBL47472BBXXIV** **HBL47472BBXXGY** A: 10.22" (259.56) B: 4.75" (120.65)

Description	Color	Catalog Number
4-Gang, Two Style Line® Openings, Two Blanks For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45. Includes two blanks.	Ivory Gray	**HBL47472RRXXIV** **HBL47472RRXXGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels.	Ivory Gray	**HBL47472BBSSIV** **HBL47472BBSSGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	**HBL47472BBTTIV** **HBL47472BBTTGY** A: 10.22" (259.56) B: 4.75" (120.65)

Tools

Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL4750 Raceway.		**HBL640B**
Replacement Blade Cutter and Die Set Base blade set.		**HBL640BDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Description	Catalog Number
Cover Cutter Cutter for cutting cover of HBL4750 Raceway.	**HBL640C**
Replacement Blade Cutter and Die Set Cover blade set.	**HBL640CDK**

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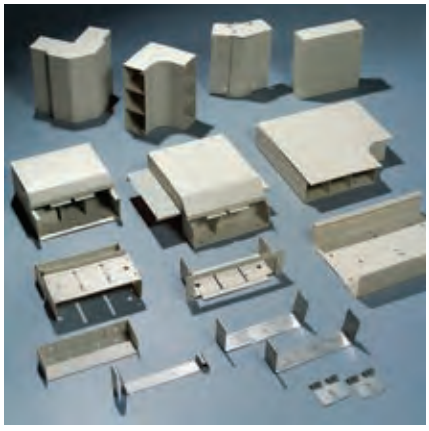
Dimensions in Inches (mm)

Bracket and Devices

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications.
- For use with Hubbell KP plates and Hubbell iSTATION Modules and Bezels.
- Provides flush finish with overlap feature to hide potential miscuts.

Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider).
- HBL6750 Series offers maximum capacity in a low profile raceway.
- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel.
- Low profile raceway provides a less conspicuous profile than competitive versions.
- Available in 10 ft. (3m) lengths.



Unique Line of Fittings

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements.
- Integral bend radius offers a fixed solution that does not have to be field installed.
- Large cross sectional area provides for maximum cable capacity throughout entire system.
- Available external, internal, flat, tee and entrance end fittings.
- UL Listed, CSA Certified.
- Available in ivory or gray powder coat finish.

Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications.
- Available in both three and six-gang options.
- Cover plates accept wide selection of Hubbell iSTATION Modules and Bezels.
- Cover plates help to conceal unsightly gaps caused by miscuts.
- Precut cover options allow for 12 in. (304.80mm), 18 in. (457.20mm), 24 in. (609.60mm) and 36 in. (914.40mm) “on-center” mounting.
- Open System architecture available.

HBL6750 Series

Description	Color	Catalog Number
Single Channel Base Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.75" (171.45) H: 2.22" (56.39)	Ivory Gray	**HBL6750B10IV** **HBL6750B10GY** A: 120.00" (3048.00) B: 6.75" (171.45) C: 2.12" (53.85)
5 Ft. Cover Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL6750CIV** **HBL6750CGY** A: 60.00" (1,524.0) B: 6.75" (171.45)
31.5 In. Precut Cover* For 36 in. (915.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C315IV** **HBL6750C315GY** A: 31.50" (800.10) B: 6.75" (171.45)
19.5 In. Precut Cover* For 24 in. (610.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C195IV** **HBL6750C195GY** A: 19.50" (495.30) B: 6.75" (171.45)
13.5 In. Precut Cover* For 18 in. (457.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C135IV** **HBL6750C135GY** A: 13.50" (342.90) B: 6.75" (171.45)
7.5 In. Precut Cover* For 12 in. (305.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C075IV** **HBL6750C075GY** A: 7.50" (190.50) B: 6.75" (171.45)

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Fittings

Description	Color	Catalog Number
Divider Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL6751DAGY Divider Clips are required to hold divider in place.	Painted Steel	**HBL6750DAGY** A: 60.00" (1524.00) B: 2.03" (51.56)
Wire Clip (Plated) For holding conductors in place.	Steel**	**HBL6750WCGY** A: 6.61" (167.80) B: 2.09" (53.05)
Divider Clip (Plated) Required for holding HBL6750DAGY in place. Use one every 2.5 ft. (.762m).	Steel**	**HBL6751DAGY** A: 6.60" (167.67) B: 1.97" (50.10)
Coupling (Plated) For joining lengths of HBL6750 Raceway. Sold in pairs.	Steel**	**HBL6751A** A: 2.00" (50.71) B: .42" (10.59)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	**HBL6717TCAGY** A: 6.56" (166.62) B: 1.94" (49.28)

*Note: **Galvanized Steel.*

Dimensions in Inches (mm)

Elbows

Description	Color	Catalog Number
Internal Elbow, Divided For inside surface at right angles. Full capacity 1¼ in. bend radius internal elbow.	Ivory Gray	**HBL6717DFOIV*** **HBL6717DFOGY*** A: 4.74" (120.47) B: 6.75" (171.45)
Internal Elbow, Undivided For inside surface at right angles.	Ivory Gray	**HBL6717IV*** **HBL6717GY*** A: 4.74" (120.47) B: 6.75" (171.45)
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	Ivory Gray	**HBL6718DFOIV*** **HBL6718DFOGY*** A: 5.83" (148.21) B: 6.75" (171.45)
External Elbow, Undivided For right angle turns around external corners.	Ivory Gray	**HBL6718IV*** **HBL6718GY*** A: 5.83" (148.21) B: 6.75" (171.45)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	Ivory Gray	**HBL6711DFOIV*** **HBL6711DFOGY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)
Flat Elbow, Undivided For right angle turns on same surface.	Ivory Gray	**HBL6711IV*** **HBL6711GY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)
Internal or External 45º Elbow For making internal or external turns in a run of HBL6750 Raceway.	Ivory Gray	**HBL6712TXIV** **HBL6712TXGY** A: 6.53" (165.93) B: 6.56" (166.62)
Inverted Internal Elbow For connecting a vertical run of HBL6750 Raceway with a horizontal run.	Ivory Gray	**HBL6717NIV** **HBL6717NGY** A: 6.56" (166.62) B: 5.13" (130.30)

Tees

Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	**HBL6715DFOIV*** **HBL6715DFOGY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)
Tee Fitting, Undivided For branches at right angles.	Ivory Gray	**HBL6715IV*** **HBL6715GY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)

*Note: *HBL6751A couplings included.*

Dimensions in Inches (mm)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in. and 1¼ in. KO and removable dividers.	Ivory Gray	**HBL6710DFOIV*** **HBL6710DFOGY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)
Entrance End Fitting, Undivided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	**HBL6710IV*** **HBL6710GY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)
Blank End Fitting For closing open end of HBL6750 Raceway. Has three ½ in. trade size KOs.	Ivory Gray	**HBL6710BIV** **HBL6710BGY** A: 6.56" (166.62) B: 1.98" (50.41) C: 1.33" (33.90)
Panel Connector To connect HBL6750 Raceway with surface type panel boxes.	Ivory Gray	**HBL6786IV** **HBL6786GY** A: 7.51" (190.86) B: 2.00" (50.83) C: 7.89" (200.37) D: 2.38" (60.34)

Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 6000 Raceway to Hubbell HBL6750 Raceway.	Ivory Gray	**HBL6750TFIV** **HBL6750TFGY** A: 4.35" (110.42) B: 6.96" (176.87)
Wall Box Connector For back feeding HBL6750 Raceway.	Ivory Gray	**HBL6714AIV** **HBL6714AGY** A: 6.75" (171.45) B: 2.14" (54.28) C: 9.90" (251.46)
Take-Off Connector (HBL6750-HBL4750) For 90° tee connection of HBL4750 Raceway from HBL6750 Raceway.	Ivory Gray	**HBL6774AIV** **HBL6774AGY** A: 14.36" (364.76) B: 6.75" (171.45) C: 11.47" (291.29) D: 6.72" (170.69)
3-Gang Tap-Off Fitting Has six concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL6746HHHIV** **HBL6746HHHGY** A: 4.35" (110.42) B: 6.96" (176.87)
Connection Cover For covering potential openings where two covers come together.	Ivory Gray	**HBL6756AIV** **HBL6756AGY** A: 6.75" (171.45) B: .59" (14.89)

*Note: *HBL4751AC couplings included.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

	Description	Color	Catalog Number	Description	Color	Catalog Number
Device Plates & Mounting Bracket	**3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks** Use with commercially available 1-gang flush plates. See page R-45 for plate options.	Ivory Gray	**HBL6747C1IV** **HBL6747C1GY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank** Use with commercially available 2-gang flush plates. See page R-45 for plate options.	Ivory Gray	**HBL6747C2IV** **HBL6747C2GY** A: 5.43" (137.97) B: 6.75" (171.45)
	Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages R-45 and R-46 for datacom product selection.	Ivory Gray	**HBL6750IV** **HBL6750GY** A: 5.25" (133.35) B: 6.75" (171.45)			
3-Gang Cover Plates (Include Mounting Bracket)	**3-Gang, One Duplex Opening, Two Blanks** For 15A and 20A duplex receptacles and duplex communication plates.	Ivory Gray	**HBL6747BXXIV** **HBL6747BXXGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Single Round Opening, Two Blanks** For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31).	Ivory Gray	**HBL6747AXXIV** **HBL6747AXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, Three Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates.	Ivory Gray	**HBL6747BBBIV** **HBL6747BBBGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Single Round Opening, Two Blanks** For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).	Ivory Gray	**HBL6747JXXIV** **HBL6747JXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, One Duplex Opening, Two Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45.	Ivory Gray	**HBL6747BRRIV** **HBL6747BRRGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, One Style Line® Opening, Two Blanks** For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device.	Ivory Gray	**HBL6747RXXIV** **HBL6747RXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, Two Duplex Openings, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	**HBL6747BBFIV** **HBL6747BBFGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, Two Style Line® Openings, One Modular Furniture** For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	**HBL6747RRFIV** **HBL6747RRFGY** A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, Two Duplex Openings, One Ortronics® Series II® Mini Adapter Bezel For two 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes Ortronics® Series II® Mini Adapter Bezel.	Ivory Gray	**HBL6747BBSIV** **HBL6747BBSGY** A: 5.43" (137.97) B: 6.75" (171.45)	**3-Gang, Two Duplex Openings, One Ortronics® TracJack® Mini Adapter Bezel** For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes Ortronics® TracJack® Mini Adapter Bezel.	Ivory Gray	**HBL6747BBTIV** **HBL6747BBTGY** A: 5.43" (137.97) B: 6.75" (171.45)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Dimensions in Inches (mm)

6-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
6-Gang, Six Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45.	Ivory Gray	**HBL67473BBBBBBIV** **HBL67473BBBBBBGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Two Duplex Openings, Four Style Line® Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.	Ivory Gray	**HBL67473BBRRRRIV** **HBL67473BBRRRRGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	**HBL67473BBBBFFIV** **HBL67473BBBBFFGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Blanks For four 15A and 20A duplex receptacles and duplex communication frames shown on page R-45.	Ivory Gray	**HBL67473BBBBXXIV** **HBL67473BBBBXXGY** A: 10.22" (259.56) B: 6.75" (171.45)

Description	Color	Catalog Number
6-Gang, Four Style Line® Openings, Two Blanks For four Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page R-45.	Ivory Gray	**HBL67473RRRRXXIV** **HBL67473RRRRXXGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes two Ortronics® Series II® Mini Adapter Bezels.	Ivory Gray	**HBL67473BBBBSSIV** **HBL67473BBBBSSGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication frames shown on page R-45. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	**HBL67473BBBBTTIV** **HBL67473BBBBTTGY** A: 10.22" (259.56) B: 6.75" (171.45)

Tools

Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL6750 Raceway.		**HBL660B**
Replacement Blade Cutter and Die Set Base blade set.		**HBL660BDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Description	Catalog Number
Cover Cutter Cutter for cutting cover of HBL6750 Raceway.	**HBL660C**
Replacement Blade Cutter and Die Set Cover blade set.	**HBL660CDK**

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Dimensions in Inches (mm)

Single Channel

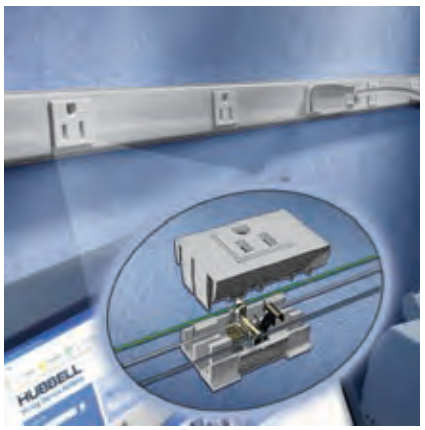
- Single channel aluminum raceway.
- Satin anodized finish.
- Resists oxidation, corrosion and fading.
- Can be installed as recessed or surface mounted.
- UL Listed and CSA Certified.

Wide Selection of Fittings

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications.
- HBLALU2001 Coupling included with elbows and tee fitting.

Aluminum Boxes

- Both in-line and standard boxes available.
- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation.
- Rounded corners eliminate sharp edges.
- One seam construction provides “clean” look.
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed.
- Full line of metal wallplates available. See section N for selection.

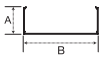


Aluminum PlugTrak® Featuring Exclusive Receptacle Design

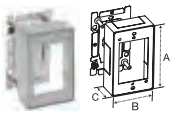
- Satin anodized scratch resistant finish.
- Multiple spacing configurations.
- Hubbell designed and manufactured single receptacle.
- Insulation displacement wiring provides superior wire retention.
- Mates with HBLALU2000 Aluminum Raceway.
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths.
- Tamper-Resistant versions available.

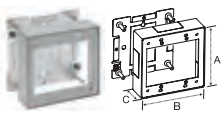
HBLALU2000 Series

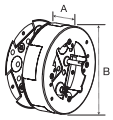
Description	Material	Catalog Number
5 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000B5** A: .82" (21.00) B: 1.84" (46.74)
10 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 1.84" (46.74) H: .91" (23.11)	Anodized Aluminum	**HBLALU2000B10** A: .82" (21.00) B: 1.84" (46.74)



Description	Material	Catalog Number
Cover Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000C5** A: 1.84" (46.74)







Standard

Description	Material	1-Gang	2-Gang
Device Box For standard switches and receptacles.	Anodized Aluminum	**HBLALU2047** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBLALU20472** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)

Deep

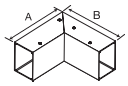
Description	Material	1-Gang	2-Gang
Device Box For deep switches and receptacles.	Anodized Aluminum	**HBLALU2044** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.15)	**HBLALU20442** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)

Description	Material	Round Box
Fixture Box with Solid Base To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Anodized Aluminum	**HBLALU2038** A: 1.38" (35.05) B: 4.93" (125.22)

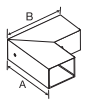
	1-Gang	2-Gang
Base Trade Size KOs	1 - ½", ¾" Concentric 1 - Rectangular	1 - ½" 1 - Rectangular

Elbows and Tees

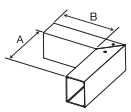
Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU2017*** A: 3.00" (76.20) B: 3.00" (76.20)



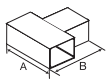
Description	Material	Catalog Number
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU2011*** A: 3.00" (76.20) B: 3.00" (76.20)



Description	Material	Catalog Number
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU2018*** A: 2.91" (74.04) B: 2.91" (74.04)



Description	Material	Catalog Number
Tee Fitting For branch connections of right angles.	Anodized Aluminum	**HBLALU2015*** A: 4.00" (101.60) B: 3.40" (86.36)

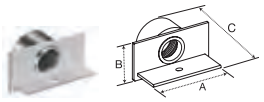


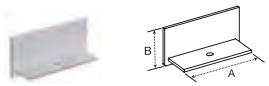
*Note: *HBLALU2001 couplings included.*

Dimensions in Inches (mm)

End Fittings

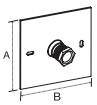
Description	Material	Catalog Number
Entrance End Fitting ½ in. NPT steel fitting.	Anodized Aluminum Plate	**HBLALU2010A** A: 1.84" (47.74) B: .91" (23.11) C: 1.51" (38.35)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU2010B** A: 1.84" (46.74) B: .91" (23.11)

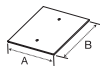




Fittings

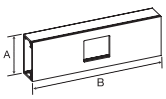
Description	Material	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together.	Stainless Steel	**HBLALU2006** A: 1.00" (25.40)
Wire Clip For holding conductors in place.	Anodized Aluminum	**HBLALU2000WC** A: .44" (11.20)
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. Locknut included.	Anodized Aluminum	**HBLALU2051H** A: 4.50" (114.3) B: 4.50" (114.3)
Coupling (Pair) For joining lengths of HBLALU2000 Raceway.	Aluminum	**HBLALU2001** A: 1.67" (42.42) B: 1.67" (42.42)

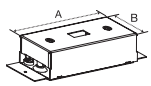


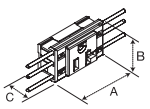


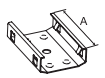
Devices and In-Line Fittings

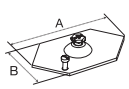
Description	Material	Catalog Number
In-Line Receptacle Fitting Use this fitting with single receptacle below.	Anodized Aluminum	**HBLALU2043*** A: 1.84" (46.74) B: 6.00" (152.40)
In-Line Switch Fitting (Switch sold separately).	Anodized Aluminum	**HBLALU2040A** A: 4.12" (104.65) B: 1.84" (46.74)
Single Recept. - 15A 125V	Gray	**PT1RCGY**
Single Recept. - 15A 125V, Iso. Grnd	Orange	**PT1RCIG**
Single Recept. - 20A 125V	Gray	**PT1RGY**
Single Recept. - 20A 125V, Iso. Grnd #12 AWG THHN stranded copper wires with 21 in. leads on each end.	Orange	**PT1RIG** A: 2.00" (50.7) B: 1.20" (30.4) C: .87" (22.2)
Supporting Clip For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	Stainless Steel	**HBLALU2003** A: 2.00" (50.80)
Ground Adapter (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway. Screws included.	Steel**	**HBLALU2009** A: 2.35" (59.8) B: 1.18" (30.0)











*Note: *HBLALU2001 couplings included.*
***Galvanized Steel.*

Dimensions in Inches (mm)

Available in Standard, Isolated Ground (IG) and Tamper-Resistant (TR) versions.

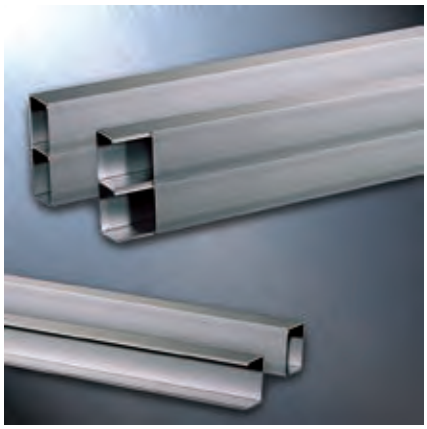
TR Tamper-Resistant

	Amp	Circuits	# Single Recept.	Receptacle Spacing (in.)	Catalog Number
3 Foot	15	Single	6	6	**HBLALU20GB306**
	15	IG/Single	6	6	**HBLALU20IG306**
	15	TR/Single	6	6	**HBLALU20GB306TR**
	20	Single	6	6	**HBLALU24GB306**
	20	IG/Single	6	6	**HBLALU24IG306**
	20	TR/Single	6	6	**HBLALU24GB306TR**
5 Foot	15	Single	10	6	**HBLALU20GB506**
	15	Single	5	12	**HBLALU20GB512**
	15	IG/Single	10	6	**HBLALU20IG506**
	15	TR/Single	5	12	**HBLALU20GB512TR**
	20	Single	10	6	**HBLALU24GB506**
	20	Single	5	12	**HBLALU24GB512**
	20	IG/Single	10	6	**HBLALU24IG506**
	20	TR/Single	5	12	**HBLALU24GB512TR**
6 Foot	15	Single	12	6	**HBLALU20GB606**
	15	Single	6	12	**HBLALU20GB612**
	15	Single	4	18	**HBLALU20GB618**
	15	Two	12	6	**HBLALU20GBA606**
	15	Two	6	12	**HBLALU20GBA612**
	15	Two	4	18	**HBLALU20GBA618**
	15	IG/Single	12	6	**HBLALU20IG606**
	20	Single	12	6	**HBLALU24GB606**
	20	Single	6	12	**HBLALU24GB612**
	20	Single	4	18	**HBLALU24GB618**
	20	Two	12	6	**HBLALU24GBA606**
	20	Two	6	12	**HBLALU24GBA612**
	20	Two	4	18	**HBLALU24GBA618**
	20	IG/Single	12	6	**HBLALU24IG606**

Note: IG = Isolated Ground and TR = Tamper-Resistant.
Hubbell Aluminum PlugTrak is supplied with two HBLALU2010B blank end fittings and one HBLALU2001 coupling.

	Description		Catalog Number
Device Boxes	Standard 1-Gang Device Box		**HBLALU2047**
	Deep 1-Gang Device Box		**HBLALU2044**
	Standard 2-Gang Device Box		**HBLALU20472**
	Deep 2-Gang Device Box		**HBLALU20442**
	Round Box		**HBLALU2038**
Elbows and Tees	External Elbow		**HBLALU2018**
	Internal Elbow		**HBLALU2017**
	Flat Elbow		**HBLALU2011**
	Tee		**HBLALU2015**
Fittings	Cover Clip		**HBLALU2006**
	Supporting Clip		**HBLALU2003**
	Coupling		**HBLALU2001**
	Entrance End Fitting		**HBLALU2010A**
	In-Line Switch Fitting		**HBLALU2040A**
	Blank End Fitting		**HBLALU2010B**

Note: See pages R-34 and R-35 for additional information.



Single and Two Channel

- Single and two channel aluminum raceways.
- Satin anodized finish.
- Resists oxidation, corrosion and fading.
- Can be installed as recessed or surface mounted.
- UL Listed and CSA Certified.

Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications.
- Available in both single and two channel versions.

Split Covers

- Single and two channel raceways utilize common cover.
- Split covers allow access to one service at a time.
- Common aesthetics throughout line.

Device Cover Plates

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways.
- Cover plates offer option for most common power device applications.
- Low profile bezel cover accommodates Hubbell iSTATION Modules.
- Open System data option available.
- Base mounted cover plates available for added strength.

HBLALU3800 Series

Description	Color	Catalog Number
Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 3.00" (76.20) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU3800B10** A: 2.10" (53.34) B: 3.00" (76.20)
Cover Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC5** A: 3.00" (76.20)

Elbows and Tees

Description	Color	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU3817*** A: 6.00" (152.40) B: 6.00" (152.40)
Inverted Internal Elbow For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU3817N*** A: 6.00" (152.40) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU3818*** A: 6.00" (152.40) B: 6.00" (152.40)
Tee For branch connections of two runs of HBLALU3800 Raceway.	Anodized Aluminum	**HBLALU3815*** A: 6.00" (152.40) B: 6.00" (152.40)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU3811*** A: 6.00" (152.40) B: 6.00" (152.40)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU3810B1** A: 3.00" (76.20) B: 2.31" (58.74)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU3810B** A: 3.00" (76.20) B: 2.31" (58.74)

Fittings

Description	Color	Catalog Number
Cover Clip To cover seam where lengths of HBLALU3800 Raceway come together.	Stainless Steel	**HBLALU3806** A: 1.38" (34.92)
Wire Clip For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	**HBLALUWC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU09** A: 4.00" (101.80) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)

*Note: *HBLALU01 couplings included.*
See page R-40 for cover plates.

Dimensions in Inches (mm)

HBLALU4800 Series

Description	Color	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.00" (152.40) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU4800B10** A: 2.10" (53.34) B: 6.00" (152.40)
Cover Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC5** A: 3.00" (76.20)

Elbows and Tees

Description	Color	Catalog Number
Internal Elbow (Two Channel) For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU4817*** A: 6.00" (152.40) B: 6.00" (152.40)
Inverted Internal Elbow (Two Channel) For connecting a vertical run of HBLALU4800 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU4817N*** A: 6.00" (152.40) B: 5.98" (151.89)
External Elbow (Two Channel) For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU4818*** A: 6.00" (152.40) B: 6.00" (152.40)
Tee (Two Channel) For branch connections of two runs of HBLALU4800 Raceway.	Anodized Aluminum	**HBLALU4815*** A: 9.00" (228.60) B: 9.00" (228.60)
Flat Elbow (Two Channel) For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU4811*** A: 9.00" (228.60) B: 9.00" (228.60)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting (Two Channel) For feeding raceway, has two concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU4810B2** A: 6.00" (152.40) B: 2.31" (58.74)
Blank End Fitting (Two Channel) For closing end of raceway.	Anodized Aluminum	**HBLALU4810B** A: 6.00" (152.40) B: 2.31" (58.74)

Fittings

Description	Color	Catalog Number
Cover Clip To cover seam where lengths of HBLALU4800 Raceway come together.	Stainless Steel	**HBLALU4806** A: 1.38" (34.92)
Wire Clip Used for holding conductors in place on raceway. Can be used for either HBLALU3800 or HBLALU4800 Racewa	Anodized Aluminum	**HBLALUWC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU09** A: 4.00" (101.80) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)

*Note: *HBLALU01 couplings included.*
See page R-40 for cover plates.

Dimensions in Inches (mm)

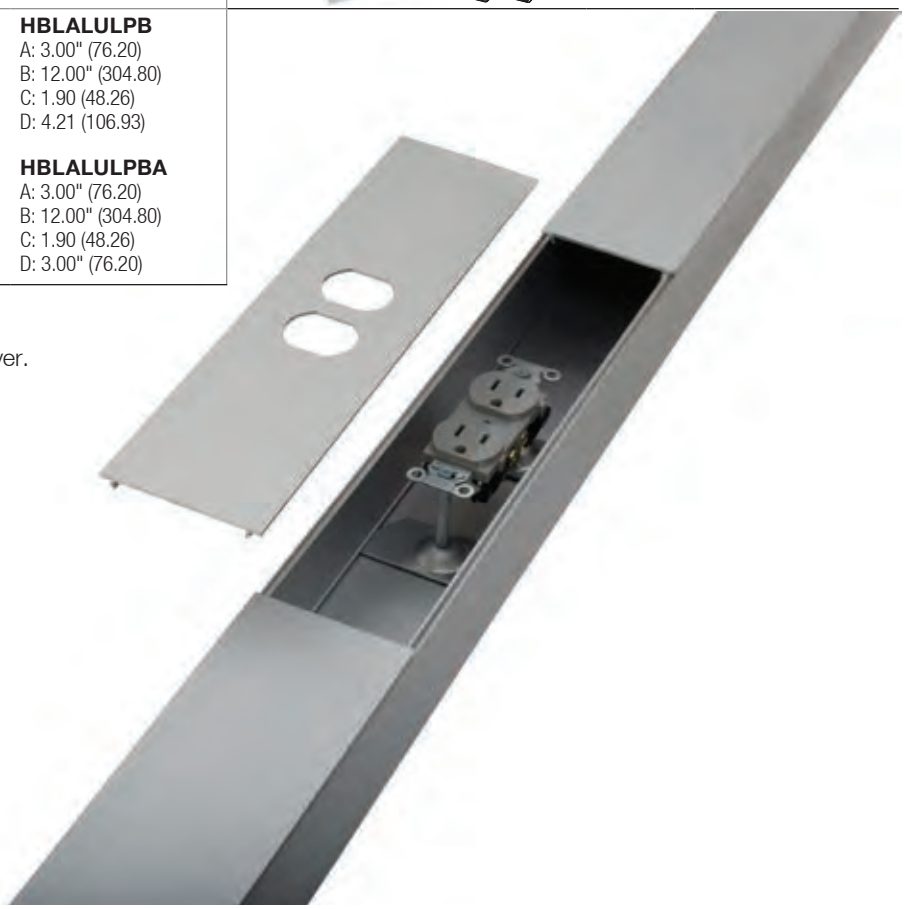
Cover Plates

Description	Color	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page R-45.	Anodized Aluminum	**HBLALUDR** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34DRBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page R-45.	Anodized Aluminum	**HBLALUG** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34GBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	**HBLALUF** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34FBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Blank Cover To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	**HBLALUBL** A: 3.00" (76.20) B: 12.00" (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION Modules. For the HBLALUPB use the KPIMBZGY on page R-45 with modules from page R-46. For the HBLALULPBA use the IMF1GY on page R-46 or any IFPxxGY plates on page R-45.	Anodized Aluminum	**HBLALULPB** A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 4.21 (106.93) **HBLALULPBA** A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)

Description	Color	Catalog Number
Toggle Switch Cover For single pole, two pole, three way or four way switches.	Anodized Aluminum	**HBLALUN** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34NBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	**HBLALUE** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34EBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameter of 2.13 in. (54.10).	Anodized Aluminum	**HBLALUJ** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34JBM** (Base Mounted Device) A: 3.00" (76.20) B: 12.00" (304.80)
Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	**HBLALUABRT** A: 3.00" (76.20) B: 12.00" (304.80)

Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



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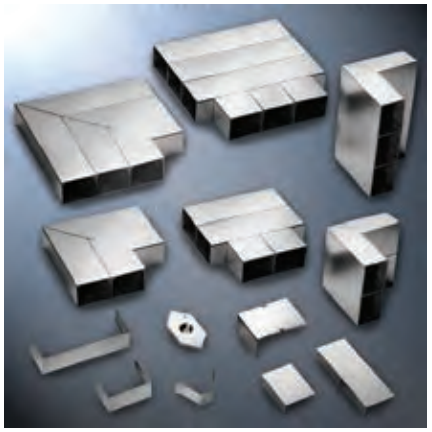
Dimensions in Inches (mm)

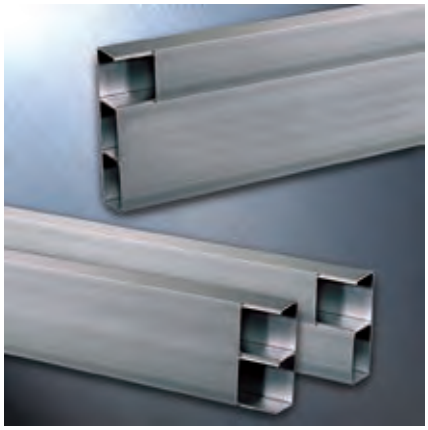
Two and Three Channel

- Two and three channel aluminum raceways.
- Satin anodized finish.
- Resists oxidation, corrosion and fading.
- Can be installed as recessed or surface mounted.
- UL Listed and CSA Certified.



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications.
- Available in both two and three channel versions.



Covers

- Two and three channel raceway utilize common covers.
- Available in single and dual channel cover designs.
- Single covers allow access to one service at a time.
- Dual channel cover fits over two channels for a seamless look.
- Common aesthetics throughout line.

Compatible Cover Plates

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways.
- Cover plates offer option for most common power device applications.
- Low profile bezel cover accommodates Hubbell iSTATION Modules.
- Open System data option available.
- Base mounted cover plates available for added strength.

HBLALU5000 Series

Description	Color	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 5.08" (129.03) H: 1.75" (44.45)	Anodized Aluminum	**HBLALU5000B10** A: 1.66" (42.16) B: 5.08" (129.03)
Cover - Single Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)
Cover - Two Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2C57** A: 5.08" (129.03)

Elbows and Tees

Description	Color	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU5017*** A: 6.00" (152.40) B: 6.00" (152.40)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU5018*** A: 6.00" (152.40) B: 6.00" (152.40)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU5011*** A: 9.00" (228.60) B: 9.00" (228.60)
Inverted Internal Elbow For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU5017N*** A: 5.91" (150.20) B: 5.98" (151.89)
Tee For branch connections of two runs of HBLALU5000 Raceway.	Anodized Aluminum	**HBLALU5015*** A: 9.00" (228.60) B: 8.08" (205.30)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU5010B2** A: 5.08" (129.10) B: 1.75" (44.40)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU5010B** A: 5.08" (129.10) B: 1.75" (44.40)

Fittings

Description	Color	Catalog Number
Cover Clip To cover seam where lengths of HBLALU5000 Raceway come together.	Stainless Steel	**HBLALU5006** A: 1.38" (34.92)
Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)

*Note: *HBLALU5701 couplings included.*
See page R-44 for cover plates.

Dimensions in Inches (mm)

HBLALU7620 Series

Description	Color	Catalog Number
Three Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 7.62" (193.55) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU7620B10** A: 2.16" (54.86) B: 7.62" (193.55)
Cover - Single Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)
Cover - Two Channel Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2C57** A: 5.08" (129.03)

Elbow Fittings

Description	Color	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU7617*** A: 6.50" (165.10) B: 6.50" (165.10)
Inverted Internal Elbow For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU7617N*** A: 6.50" (165.10) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU7618*** A: 5.50" (139.70) B: 5.50" (139.70)
Tee For branch connections of two runs of HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU7615*** A: 9.00" (228.60) B: 10.62" (269.80)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU7611*** A: 11.54" (293.10) B: 11.54" (293.10)

End Fittings

Description	Color	Catalog Number
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU7610B2** A: 7.62" (193.50) B: 2.31" (58.70)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU7610B** A: 7.62" (193.50) B: 2.31" (58.70)

Fittings

Description	Color	Catalog Number
Cover Clip To cover seam where lengths of HBLALU7620 Raceway come together.	Stainless Steel	**HBLALU7606** A: 1.38" (34.92)
Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)

*Note: *HBLALU5701 couplings included.*
See page R-44 for cover plates.

Dimensions in Inches (mm)

Cover Plates

Description	Color	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page R-45.	Anodized Aluminum	**HBLALU57DR** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57DRBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page R-45.	Anodized Aluminum	**HBLALU57G** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57GBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	**HBLALU57E** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57EBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION modules. IMF1GY or IFPxxGY frames and plates on pages R-45 and R-46.	Anodized Aluminum	**HBLALU57LPB** A: 2.54" (64.50) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)
2-Gang Raised Device Box KP device plates only, found on page R-45.	Gray PVC	**HBLALU57KP2G** A: 5.08" (129.10) B: 7.64" (193.90)

Description	Color	Catalog Number
Toggle Switch Cover For single pole, two pole, three way or four way switches.	Anodized Aluminum	**HBLALU57N** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57NBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Blank Cover To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	**HBLALU57BL** A: 2.54" (64.50) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	**HBLALU57F** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57FBM** (Base Mounted Device) A: 2.54" (64.50) B: 12.00" (304.80)
Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	**HBLALU57ABRT** A: 2.54" (64.50) B: 12.00" (304.80)

Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.

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Dimensions in Inches (mm)

1. Choose Device Mounting Bracket

Description	Color	HBL4750 Series	HBL6750 Series
Device Mounting Bracket for HBL4750 and HBL6750 Series Metal Raceway. Ivory metal raceway matches almond devices and plates.	Ivory Gray	**HBL4750IV** **HBL4750GY**	**HBL6750IV** **HBL6750GY**

2. Choose 1-Gang "KP" Plates

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Almond Gray	**KP8AL** **KP8GY** Duplex	**KP26AL** **KP26GY** Style Line®	**KP1AL** **KP1GY** Toggle	**KP7AL** **KP7GY** Receptacle (1.41 ID)	**KP720AL** **KP720GY** Receptacle (1.60 ID)
Almond Gray	**KP14AL** **KP14GY** Blank	**KP212AL** **KP212GY** Coax (2)	**KP2140AL** **KP2140GY** Jack/Coax	**KP2162AL** **KP2162GY** Modular Jacks (2)	**KP2163AL** **KP2163GY** Modular Jacks (3)
Almond Gray	**KPORTAL** **KPORTGY** Ortronics Series II® Data Module	**KPPANAL** **KPPANGY** Panduit Mini-Com® Data Module	**KPIMBZAL** **KPIMBZGY** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section).		

Comm. "IFP" Plates & Frames

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Almond Gray	**IFP126AL** **—** Style Line®	**ISF2AL** **ISF2GY** Style Line® 2-Port	**ISF3AL** **ISF3GY** Style Line® 3-Port	**ISF4AL** **ISF4GY** Style Line® 4-Port	**ISF6AL** **ISF6GY** Style Line® 6-Port
Almond Gray	**IFP18AL** **—** Duplex	**BR106AL** **BR106G** Duplex 2-Port	**Q106AL** **Q106G** Duplex 4-Port		
Almond Gray	**IFP12AL** **IFP12GY** Flush 2-Port	**IFP13AL** **IFP13GY** Flush 3-Port	**IFP14AL** **IFP14GY** Flush 4-Port	**IFP16AL** **IFP16GY** Flush 6-Port	

Note: Ivory metal raceway matches almond devices and plates. For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices.
See page R-46 or section W for additional information on datacom products.

Painted Steel Plates

Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Almond Gray	**SP1AL** **SP1G** Toggle	**SP2AL** **SP2G** Toggle	**SP3AL** **—** Toggle	**SP4AL** **—** Toggle	**SP5AL** **—** Toggle	**SP6AL** **—** Toggle
Almond Gray	**SP8AL** **SP8G** Duplex	**SP82AL** **SP82G** Duplex	**SP83AL** **—** Duplex	**—** **—** Duplex	**—** **—** Duplex	**—** **—** Duplex
Almond Gray	**PHPS1AL** **PHPS1G** Style Line®	**PHPS2AL** **PHPS2G** Style Line®	**PHPS3AL** **—** Style Line®	**PHPS4AL** **—** Style Line®	**PHPS5AL** **—** Style Line®	**PHPS6AL** **—** Style Line®
Almond Gray	**SP7AL** **SP7G** Single recept. (1.41" ID)	**SP18AL** **SP18G** Combination	**SP28AL** **SP28G** Combination	**PJS126AL** **PJS126G**	**—** **PJS226G**	

Color	1-Gang	2-Gang	3-Gang	1-Gang	2-Gang	3-Gang
Almond Gray	**SP14BAL** **SP14BG** Blank, Box Mount	**SP24BAL** **SP24BG** Blank, Box Mount	**SP34BAL** **—** Blank, Box Mount	**SP14AL** **SP14G** Blank, Strap Mount	**SP24AL** **SP24G** Blank, Strap Mount	**SP34AL** **—** Blank, Strap Mount

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Frame Modules and Modular Connector Fittings

Communication Outlet Plates and Frames

1. Choose Plate Frame

Description	Color	HBL4750 Series	HBL6750 Series
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use KPIMBZAL/GY plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page R-45. See section W for additional Hubbell iSTATION modules and datacom products. Ivory metal raceway matches almond devices and plates.	Office White	**IMF1AL** **IMF1GY**	**IMF2AL** **IMF2GY**

Note: Each gang accepts 3 module units.

2. Choose Modules

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Almond Gray	**IMB05AL** **IMB05GY** Blank Module .5 Unit	**IMB1AL** **IMB1GY** Blank Module 1 Unit	**IMB15AL** **IMB15GY** Blank Module 1.5 Unit	**IM1K1AL** **IM1K1GY** Modular Flat 1 Unit	**IM2K1AL** **IM2K1GY** Modular Flat 1 Unit
Almond Gray	**IM1KA15AL** **IM1KA15GY** Modular Angled 1.5 Unit	**IM2KA15AL** **IM2KA15GY** Modular Angled 1.5 Unit	**IM1SCA15AL** **IM1SCA15GY** SC 1 Duplex Angled, 1.5 Unit	**IM2SCA2AL** **IM2SCA2GY** SC 2 Duplex Angled, 2 Unit	**IM1IA15AL** **IM1IA15GY** Modular Recessed 1.5 Unit
Almond Gray	**IM2IA15AL** **IM2IA15GY** Modular Recessed 1.5 Unit		**Keystone Opening** Hole size for mounting all Hubbell Jacks.	A: .580" (14.73) B: .760" (19.30)	

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZAL/GY bezel and appropriate Hubbell iSTATION modules located in the section W. Use appropriate Hubbell iSTATION modules for SC fiber adapters. See section W for additional modular connectors. Ivory metal raceway matches almond devices and plates.

Modular Connector Fittings

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Almond Gray	**SFFGAL** **SFFGGY** F-Type Coupler Gold	**SFFALX** **SFFGX** F-Type Coupler Nickel	**SFBAL** **SFBGY** BNC Connector	**SFSV110AL** **SFSV110GY** S-Video 110	**SFSVAL** **SFSVGY** S-Video F/F Coupler
Almond Gray	**SFRCRFFAL** **SFRCRFFGY** RCA Gold Pass-through F/F Coupler Red Insulator	**SFRCWFFAL** **SFRCWFFGY** RCA Gold Pass-through F/F Coupler White Insulator	**SFRCYFFAL** **SFRCYFFGY** RCA Gold Pass-through F/F Coupler Yellow Insulator	**SFSPGBK*** **SFSPGR**** Speaker Post Connector	**SF35SJAL** **SF35SJGY** 3.5mm Stereo Jacks
Almond Gray	**SFRC110R** (Black housing only) RCA 110 Punchdown Red Insulator	**SFRC110W** (Black housing only) RCA 110 Punchdown White Insulator	**SFRC110Y** (Black housing only) RCA 110 Punchdown Yellow Insulator	**SFBAL10** **SFBG10** Blank (10 Pack)	

*Note: *Office white housing with black ring color.*
***Office white housing with red ring color.*

Xcelerator Modular Jacks

Color	Catalog Number	Catalog Number	Catalog Number
Almond	**HXJ5EAL** Cat. 5e, T568A, T568B, RJ45	**HXJ6AL** Cat. 6, T568A, T568B, RJ45	**HXJUAL** 6 Position USOC, RJ25

Note: Ivory metal raceway matches almond devices and plates.

Jack Color Options (Replaces **AL** Suffix)

OW=Office White	**GY**=Gray	**BK**=Black	**W**=White	**OR**=Orange	**R**=Red	**Y**=Yellow	**B**=Blue	**GN**=Green	**EI**=Elec Ivory

Metal Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series		**Channel Area (sq. in.)**	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
HBL500		0.22	7	5	3	3	1	2	3	2	1	1	3	8	3
HBL750		0.40	12	9	5	6	1	3	5	3	2	2	6	15	6
HBL2000		0.89	7	7	0	13	3	8	10	7	4	5	13	33	12
HBL2000A		0.86	35	26	16	11	2	7	9	7	4	5	13	33	12
HBL2400		1.39	57	41	26	19	4	12	16	11	5	8	19	51	19
HBL2400D	**Channel– A**	0.86	26	19	11	12	2	7	9	7	3	5	12	31	11
A B	**Channel– B**	0.37	11	9	6	5	1	3	4	3	1	2	5	13	5
HBL3000		3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
HBL4750	**No Barriers**	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
A B	**Barrier Centered Ch. A**	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
	Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
A B	**Barrier Offset Ch. A**	2.10	86	63	39	30	6	18	24	17	9	13	30	77	29
	Barrier Offset Ch. B	4.30	176	129	81	61	13	37	50	35	18	26	61	158	60
HBL6750	**No Barriers**	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191
A A A	**Barrier Offset 1/3 Ch. A**	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
A B	**Barrier Offset 2/3 Ch. B**	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
HBLALU2000		1.20	49	36	22	16	3	10	13	9	4	7	16	44	16
HBLALU3800		5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU4800	**Center Barrier/ Both Channels**	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
	Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU5000	**Center Barrier/ Both Channels**	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
	Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
HBLALU7620	**2 Barriers with 3 Equal Channels/Total**	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
	2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Material	Galvanized Steel or Anodized Aluminum

Metal PlugTrak Specifications

Receptacle Rating	NEMA 5-15R and NEMA 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Codes/Standards

TIA/EIA	569B
UL Standard	UL 5
Listings	E253976 /E253830 /E253833
CSA Standard	C22.2 no. 62
Certification	LR87514

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL500 Series	**500 Series**	
HBL502B	502	SMS502
HBL605CUT	605	SMS605
HBL600B	600B	N/A
HBL605K	605K	N/A
HBL500TFIV	N/A	N/A
HBL50010IV	V500	SMS500
HBL5005IV	V500-5	N/A
HBL504IV	V504	SMS504
HBL506IV	V506	SMS506
HBL511IV	V511	SMS511
HBL512IV	V512	SMS512
HBL517IV	V517	SMS517
HBL518IV	V518	SMS518
HBL750 Series	**700 Series**	
HBL607CUT	607	SMS607
HBL702B	702	SMS702
HBL607K	607K	N/A
HBL750TFIV	N/A	N/A
HBL75010IV	V700	SMS700
HBL7505IV	V700-5	N/A
HBL704IV	V704	SMS704
HBL706IV	V706	SMS706
HBL711IV	V711	SMS711
HBL712IV	V712	SMS712
HBL717IV	V717	SMS717
HBL718IV	V718	SMS718
HBL500/HBL750 Series	**500/700 Series**	
HBL5701C	5701	SMS5701
HBL5709	5709	SMS5709
HBL5780	5780	SMS5780
HBL5781	5781	SMS5781
HBL5782C	5782	SMS5782
HBL5791	5791	N/A
HBL5709GC	5709GC	N/A
HBL5781A	5781A	SMS5781A
HBL5782A	5782A	SMS5782A
HBL5790B	5790B	SMS5790B
HBL5752R	R5752	SMS5752R
HBL5753R	R5753	SMS5753R
HBL5700FIV	V5700F	SMS5700F
HBL5703IV	V5703	SMS5703
HBL5711LHIV	V5711LH	SMS5711LH
HBL5711RHIV	V5711RH	SMS5711RH
HBL5715IV	V5715	SMS5715
HBL5719IV	V5719	SMS5719
HBL57242IV	V57242	SMS57242
HBL5731IV	V5731	SMS5731
HBL5733IV	V5733	SMS5733
HBL5735IV	V5735	SMS5735
HBL5736IV	V5736	SMS5736
HBL5737IV	V5737	SMS5737
HBL5737AIV	V5737A	SMS5737A
HBL5738IV	V5738	SMS5738
HBL5738AIV	V5738A	SMS5738A
HBL5738AFIV	V5738AF	SMS5738AF
HBL5739IV	V5739	SMS5739
HBL5739AIV	V5739A	SMS5739A
HBL5744IV	V5744	SMS5744
HBL57442IV	V5744-2	SMS57442
HBL57443IV	V5744-3	SMS57443
HBL5744SIV	V5744S	SMS5744S
HBL5744S2IV	V5744S-2	SMS5744S2
HBL5744S3IV	V5744S-3	SMS5744S3
HBL5745IV	V5745	SMS5745
HBL5747IV	V5747	SMS5747
HBL57472IV	V5747-2	SMS57472
HBL57473IV	V5747-3	SMS57473
HBL5748IV	V5748	SMS5748
HBL57482IV	V5748-2	SMS57482
HBL57483IV	V5748-3	SMS57483
HBL57484IV	V5748-4	SMS57484
HBL57485IV	V5748-5	SMS57485
HBL57486IV	V5748-6	SMS57486
HBL5751IV	V5751	SMS5751
HBL57512IV	V5751-2	SMS5751-2
HBL57513IV	V5751-3	SMS5751-3
HBL5751AIV	V5751A	N/A
HBL5752IV	V5752	SMS5752
HBL5753IV	V5753	SMS5753
HBL5760IV	V5760	SMS5760
HBL5783IV	V5783	SMS5783
HBL5784IV	V5784	SMS5784
HBL5785IV	V5785	SMS5785
HBL5786IV	V5786	SMS5786
HBL5786AIV	N/A	N/A
HBL5711BRIV	N/A	SMS5711-1
HBL5715BRIV	N/A	N/A
HBL5717BRIV	N/A	SMS5717-1
HBL5718BRIV	N/A	SMS5718-1
HBL2000 Series	**2000 Series**	
HBL620C	620	SMS621BC
HBL2001C	2001	SMS2101
HBL2003SC	2003	SMS2103
HBL2009GC	2009	SMS2109
HBL2000WC	2000WC	SMS2100WC
HBL2000WCA	N/A	N/A
HBL2017TC	2017TC	SMS2117TC
HBL620BCK	620BCK	N/A
HBL2000B5GY	G2000B-5	N/A
HBL2000BCGY	G2000BC	N/A
HBL2000BCAGY	N/A	N/A
HBL2000CGY	G2000C	N/A
HBL2000CAGY	G2100C	N/A
HBL2006GY	G2006	N/A
HBL2010A2GY	G2010A2	N/A
HBL2010A3GY	G2010A3	N/A
HBL2010BGY	G2010B	N/A
HBL2011GY	G2011	N/A
HBL2011BRGY	N/A	N/A
HBL2015GY	G2015	N/A
HBL2015BRGY	N/A	N/A
HBL2017BRGY	N/A	N/A
HBL2018BRGY	N/A	N/A
HBL2018CGY	G2018C	N/A
HBL2048GY	G2048	N/A
HBL20482GY	G2048-2	N/A
HBL2051HGY	G2051H	N/A
HBL2000TFIV	N/A	N/A
HBL2000TFGY	N/A	N/A
HBL2000B5IV	V2000B-5	N/A
HBL2000BCIV	V2000BC	SMS2100B
HBL2000BCAIV	N/A	N/A
HBL2000CIV	V2000C	SMS2100C
HBL2000CAIV	V2100C	SMS2100C
HBL2006IV	V2006	SMS2106
HBL2010A2IV	V2010A2	SMS2110A
HBL2010A3IV	V2010A3	SMS2110C
HBL2010BIV	V2010B	SMS2110B
HBL2011IV	V2011	SMS2111
HBL2011BRIV	N/A	SMS2111-FO
HBL2015IV	V2015	SMS2115
HBL2015BRIV	N/A	SMS2115-FO
HBL2017BRIV	N/A	SMS2117TC-FO

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Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL2018BRIV	N/A	SMS2118A-FO
HBL2018CIV	V2018C	SMS2118A
HBL2048IV	V2048	SMS2141
HBL20482IV	V2048-2	SMS21412
HBL2051HIV	V2051H	SMS2051H
HBL2089IV	V2089	N/A
HBL2089EIV	V2089E	N/A
HBL2400/HBL2400D Series	**2400/2400D Series**	
HBL624CUT	624	N/A
HBL2401C	2401	SMS2401
HBL2409GC	2409	SMS2409
HBL2400WC	2400WC	SMS2400WC
HBL2401DC	2401D	N/A
HBL624BCK	624BCK	N/A
HBL24DRK	N/A	N/A
HBL24SRK	N/A	N/A
HBL24106DRK	N/A	N/A
HBL24106RRK	N/A	N/A
HBL4724REDIV	N/A	N/A
HBL2420REDIV	N/A	N/A
HBL2400TFIV	N/A	N/A
HBL2400DTFIV	N/A	N/A
HBL2400BIV	V2400B	N/A
HBL2400B10IV	V2400B-10	SMS2400B
HBL2400BCIV	V2400BC	N/A
HBL2400BDIV	V2400BD	SMS2400BD
HBL2400CIV	V2400C	SMS2400C
HBL2406IV	V2406	SMS2406
HBL2410AIV	V2410A	N/A
HBL2410BIV	V2410B	SMS2410B
HBL2410BDIV	V2410BD	N/A
HBL2410CIV	V2410C	N/A
HBL2410DFOIV	V2410DFO	N/A
HBL2410FCIV	V2410FC	SMS2410C
HBL2411DFOIV	V2411DFO	SMS2411DFO
HBL2415DFOIV	V2411DFO	SMS2415DFO
HBL2411IV	V2411FO	SMS2411FO
HBL2415IV	V2415FO	SMS2415FO
HBL2417DFOIV	V2417DFO	SMS2417DFO
HBL2417IV	V2417FO	SMS2417FO
HBL2418DFOIV	V2418DFO	SMS2418DFO
HBL2418IV	V2418FO	SMS2418FO
HBL2426IV	V2426	N/A
HBL2444IV	V2444	SMS2444
HBL24442IV	V2444-2	SMS2444-2
HBL2444DIV	V2444D	SMS2444D
HBL2444D2AIV	V2444D-2A	SMS2444D-2
HBL2448IV	V2448	SMS2448
HBL24482IV	V2448-2	N/A
HBL2451HIV	V2451H	N/A
HBL2475DBRIV	V2475D	SMS2457B
HBL2489IV	V2489	N/A
HBL3000 Series	**3000 Series**	
HBL630B	630B	SMS632B
HBL630BDK	630BDK	N/A
HBL630C	630C	SMS632C
HBL630CDK	630CDK	N/A
HBL3000BGY	G3000B	SMS3200
HBL3000C075GY	G3000C075	N/A
HBL3000C195GY	G3000C195	N/A
HBL3000CEGY	G3000CE	SMS3003
HBL3000WCGY	G3000WC	SMS3006
HBL3001GY	G3001	SMS3002
HBL3001AGY	G3001A	SMS3001
HBL3003GY	G3003	SMS3008
HBL3006EGY	G3006E	SMS3007

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HBL3007CGY	G3007C	SMS3022
HBL3010AEGY	G3010AE	SMS3005
HBL3010BGY	G3010B	SMS3004
HBL3010CGY	G3010C	SMS3005
HBL3011EGY	G3011E	SMS3009
HBL3014CGY	G3014C	SMS3030
HBL3015EGY	G3015E	SMS3010
HBL3017TCEGY	G3017TCE	SMS3014
HBL3018AEGY	G3018AE	SMS3018
HBL3027AEGY	G3027AE	N/A
HBL3028GY	G3028	SMS3028
HBL3033JEGY	G3033JE	SMS3045
HBL3036HEGY	G3036HE	SMS3053
HBL3040CEGY	G3040CE	SMS3048
HBL3043BEGY	G3043BE	SMS3046
HBL30442GY	G3044-2	SMS3062
HBL3046BEGY	G3046BE	N/A
HBL3046H2GY	G3046H-2	N/A
HBL3048RGY	G3048R	SMS3023
HBL3051LEGY	G3051LE	SMS3051
HBL3082GY	G3082	N/A
HBL3086GY	G3086	SMS3086
HBL3200REDIV	N/A	N/A
HBL3200REDGY	N/A	N/A
HBL3000TFIV	N/A	N/A
HBL3000TFGY	N/A	N/A
HBL3000BIV	V3000B	SMS3000-I
HBL3000C075IV	V3000C075	N/A
HBL3000C195IV	V3000C195	N/A
HBL3000CEIV	V3000CE	SMS3003-I
HBL3003IV	V3003	SMS3008-I
HBL3006EIV	V3006E	SMS3007-I
HBL3010AEIV	V3010AE	SMS3005-I
HBL3010BIV	V3010B	SMS3004-I
HBL3010CIV	V3010C	SMS3005-I
HBL3011EIV	V3011E	SMS3009-I
HBL3014CIV	V3014C	SMS3030-I
HBL3015EIV	V3015E	SMS3010-I
HBL3017TCEIV	V3017TCE	SMS3014-I
HBL3018AEIV	V3018AE	SMS3018-I
HBL3027AEIV	V3027AE	N/A
HBL3028IV	V3028	SMS3028-I
HBL3033JEIV	V3033JE	SMS3045-I
HBL3036HEIV	V3036HE	SMS3053-I
HBL3040CEIV	V3040CE	SMS3048-I
HBL3043BEIV	V3043BE	SMS3046-I
HBL30442IV	V3044-2	SMS3062-I
HBL3046BEIV	V3046BE	N/A
HBL3046H2IV	V3046H-2	N/A
HBL3048RIV	V3048R	SMS3023-I
HBL3051LEIV	V3051LE	SMS3051-I
HBL3086IV	V3086	SMS3086-I
HBL4750 Series	**4000 Series**	
HBL4751AC	4001A	SMS4202
HBL4750IV	V4050	N/A
HBL640C	640C	SMS642C
HBL4750B10GY	G4000B-10	SMS4200
HBL4750C075GY	G4000C075	SMS4261
HBL4750C195GY	G4000C195	SMS4265
HBL640B	640B	SMS642B
HBL4747RXIV	V4047RX	N/A
HBL4747RFIV	V4047RF	N/A
HBL4747C1GY	G4047C-1	N/A
HBL4747BXGY	G4047BX	N/A
HBL4747RXGY	G4047RX	N/A
HBL4747RFGY	G4047RF	N/A
HBL4747JXGY	G4047JX	N/A
HBL4747C2GY	G4047C-2	N/A

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Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL4715DFOGY	G4015DFO	SMS4211FO
HBL4717NGY	G4017N	N/A
HBL4746H2GY	G4046H-2	N/A
HBL4718DFOGY	G4018FO	SMS4218FO
HBL47472BBFFGY	G4047-2BBFF	N/A
HBL47472BBBBGY	G4047-2BBBB	N/A
HBL47472BBSSGY	G4047-2BBSS	N/A
HBL47472BBXXGY	G4047-2BBXX	N/A
HBL47472BBTTGY	G4047-2BBTT	N/A
HBL4747AXGY	G4047AX	N/A
HBL47472RRXXGY	G4047-2RRXX	N/A
HBL4747BFGY	G4047BF	N/A
HBL4747BBGY	G4047BB	N/A
HBL4747BRGY	N/A	N/A
HBL4747BRIV	N/A	N/A
HBL4747BTGY	G4047BT	N/A
HBL4747BSGY	G4047BS	N/A
HBL4774AGY	G4074A	N/A
HBL4750GY	G4050	N/A
HBL47472RRXXIV	V4047-2RRXX	N/A
HBL47472BBXXIV	V4047-2BBXX	N/A
HBL4747BBIV	V4047BB	N/A
HBL4747AXIV	V4047AX	N/A
HBL4747BFIV	V4047BF	N/A
HBL4747BTIV	V4047BT	N/A
HBL4747BSIV	V4047BS	N/A
HBL4747C1IV	V4047C-1	N/A
HBL4747BXIV	V4047BX	N/A
HBL4747JXIV	V4047JX	N/A
HBL4747C2IV	V4047C-2	N/A
HBL4750CIV	V4000C	SMS4203-I
HBL4750B10IV	V4000B-10	SMS4200-I
HBL4750C315IV	V4000C315	SMS4267-I
HBL4750C195IV	V4000C195	SMS4265-I
HBL4711DFOIV	V4011FO	SMS4209FI
HBL4711IV	V4011	SMS4209-I
HBL4710DFOIV	V4010DFO	SMS4205-I
HBL4710IV	V4010	SMS4205-I
HBL4710BIV	V4010B	SMS4204-I
HBL4756AIV	V4006	N/A
HBL4714AIV	V4014A	SMS4230-I
HBL4712TXIV	V4012TX	SMS4215-I
HBL4750C135IV	V4000C135	SMS4263-I
HBL4750C075IV	V4000C075	SMS4261-I
HBL4717DFOIV	V4017FO	SMS4214FI
HBL4717IV	V4017	SMS4214-I
HBL4715DFOIV	V4015DFO	SMS4211FI
HBL4715IV	V4015	SMS4211-I
HBL4718DFOIV	V4018FO	SMS4218FI
HBL4718IV	V4018	SMS4218-I
HBL4717NIV	V4017N	N/A
HBL47472BBBBIV	V4047-2BBBB	N/A
HBL4746H2IV	V4046H-2	N/A
HBL47472BBTTIV	V4047-2BBTT	N/A
HBL47472BBSSIV	V4047-2BBSS	N/A
HBL4747CVMGY	G6007C-1	N/A
HBL4786AGY	G4086A	SMS4286
HBL4750TFIV	N/A	N/A
HBL4747CVM2GY	G6007C-2	N/A
HBL4750BP	N/A	N/A
HBL4750TFGY	N/A	N/A
HBL4756GY	G4006	N/A
HBL4751DA	4001DA	SMS4201
HBL640BDK	640BDK	N/A
HBL640CDK	640CDK	N/A
HBL4750CGY	G4000C	SMS4203
HBL4750C135GY	G4000C135	SMS4263
HBL4750C315GY	G4000C315	SMS4267
HBL4750DGY	G4000D	SMS4207
HBL4750WCGY	G4000WC	SMS4206
HBL4710BGY	G4010B	SMS4204
HBL4710DFOGY	G4010DFO	SMS4205
HBL4710GY	G4010	SMS4205
HBL4711DFOGY	G4011FO	SMS4209FO
HBL4711GY	G4011	SMS4209
HBL4712TXGY	G4012TX	SMS4215
HBL4714AGY	G4014A	SMS4230
HBL4717DFOGY	G4017FO	SMS4214FO
HBL4717GY	G4017	SMS4214
HBL4717TCAGY	G4017TCA	N/A
HBL4774AIV	V4074A	N/A
HBL4786AIV	V4086A	SMS4286-I
HBL4747CVMIV	V6007C-1	N/A
HBL4747CVM2IV	V6007C-2	N/A
HBL6750 Series	**6000 Series**	
HBL6751A	6001A	SMS4402
HBL660C	640C	SMS644C
HBL660CDK	640CDK	N/A
HBL660B	660B	SMS644B
HBL660BDK	660BDK	N/A
HBL6718DFOGY	G4018FO	N/A
HBL6718GY	G6017TX	SMS4418
HBL6746HHHGY	G4046H-2 (4000 Series 2-Gang)	N/A
HBL67473BBBBBBGY	G4047-2BBBB (4000 Series 2-Gang)	N/A
HBL67473BBBBFFGY	G4047-2BBFF (4000 Series 2-Gang)	N/A
HBL67473BBBBSSGY	G4047-2BBSS (4000 Series 2-Gang)	N/A
HBL67473BBBBTTGY	G4047-2BBTT (4000 Series 2-Gang)	N/A
HBL67473BBBBXXGY	G4047-2BBXX (4000 Series 2-Gang)	N/A
HBL6747AXXGY	G4047AX (4000 Series 2-Gang)	N/A
HBL6747BBBGY	G4047BB (4000 Series 2-Gang)	N/A
HBL6747BBFGY	G4047BF (4000 Series 2-Gang)	N/A
HBL6747BBSGY	G4047BS (4000 Series 2-Gang)	N/A
HBL6747BBTGY	G4047BT (4000 Series 2-Gang)	N/A
HBL6747BXXGY	G4047BX (4000 Series 2-Gang)	N/A
HBL6747C1GY	V4047C-1 (4000 Series 1-Gang Overlapping)	N/A
HBL6747C2GY	V4047C-2 (4000 Series 2-Gang Overlapping)	N/A
HBL6747JXXGY	G4047JX (4000 Series 2-Gang)	N/A
HBL6747RRFGY	G4047RF (4000 Series 2-Gang)	N/A
HBL6747RXXGY	G4047RX (4000 Series 2-Gang)	N/A
HBL67473RRRRXXGY	G4047-2RRXX	N/A
HBL6750GY	G4050	N/A
HBL6750B10GY	G6000B-10	SMS4400
HBL6750CGY	G6000C	SMS4203
HBL6750DAGY	G6000DA	SMS4407
HBL6750WCGY	G6000WC	SMS4406
HBL6751DAGY	G6001DA	SMS4401
HBL6756AGY	G6006	SMS4408
HBL6710BGY	G6010B	SMS4404
HBL6711DFOGY	G6011TX	SMS4419
HBL6711GY	G6011TX	SMS4419

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Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL6712TXGY	G6012TX	SMS4415
HBL6714AGY	G6014A	SMS4430
HBL6717DFOGY	G6017TX	SMS4418
HBL6717GY	G6017TX	SMS4418
HBL6774AGY	G6074A	SMS4473
HBL6786GY	G6086	SMS4486
HBL6750C075IV	N/A	N/A
HBL6750C075GY	N/A	N/A
HBL6750C135IV	N/A	N/A
HBL6750C135GY	N/A	N/A
HBL6750C195IV	N/A	N/A
HBL6750C195GY	N/A	N/A
HBL6750C315IV	N/A	N/A
HBL6750C315GY	N/A	N/A
HBL6715DFOIV	N/A	SMS4410-I
HBL6715IV	N/A	SMS4410-I
HBL6715DFOGY	N/A	N/A
HBL6715GY	N/A	SMS4410
HBL6717NIV	N/A	N/A
HBL6717NGY	N/A	N/A
HBL6717TCAGY	N/A	N/A
HBL6710DFOIV	N/A	N/A
HBL6710DFOGY	N/A	N/A
HBL6750TFIV	N/A	N/A
HBL6750TFGY	N/A	N/A
HBL6718DFOIV	V4018FO	N/A
HBL6746HHHIV	V4046H-2	N/A
HBL67473BBBBXXGY	(4000 Series 2-Gang) V4047-2BBBB	N/A
HBL67473BBBBFFIV	(4000 Series 2-Gang) V4047-2BBFF	N/A
HBL67473BBBBSSIV	(4000 Series 2-Gang) V4047-2BBSS	N/A
HBL67473BBBBTTIV	(4000 Series 2-Gang) V4047-2BBTT	N/A
HBL67473BBBBXXIV	(4000 Series 2-Gang) V4047-2BBXX	N/A
HBL6747AXXIV	(4000 Series 2-Gang) V4047AX	N/A
HBL6747BBBIV	(4000 Series 2-Gang) V4047BB	N/A
HBL6747BBFIV	(4000 Series 2-Gang) V4047BF	N/A
HBL6747BBSIV	(4000 Series 2-Gang) V4047BS	N/A
HBL6747BBTIV	(4000 Series 2-Gang) V4047BT	N/A
HBL6747BXXIV	(4000 Series 2-Gang) V4047BX	
HBL6747C1IV	(4000 Series 2-Gang) V4047C-1 (4000 Series 1-Gang Overlapping)	N/A
HBL6747C2IV	V4047C-2 (4000 Series 2-Gang Overlapping)	N/A
HBL6747JXXIV	V4047JX	N/A
HBL6747RRFIV	(4000 Series 2-Gang) V4047RF	N/A
HBL6747RXXIV	(4000 Series 2-Gang) V4047RX	N/A
HBL67473RRRRXXIV	(4000 Series 2-Gang) V4047-2RRXX	N/A
HBL6750IV	V4050	N/A
HBL6750B10IV	V6000B-10	SMS4400-I
HBL6750CIV	V6000C	SMS4203-I
HBL6756AIV	V6006	SMS4408-I
HBL6710BIV	V6010B	SMS4404-I
HBL6711DFOIV	V6011TX	SMS4419-I

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBL6711IV	V6011TX	SMS4419-I
HBL6712TXIV	V6012TX	SMS4415-I
HBL6714AIV	V6014A	SMS4430-I
HBL6774AIV	V6074A	SMS4473-I
HBL6786IV	V6086	SMS4486-I

Metal PlugTrak®	Metal Plugmold®	
HBL20C215IV	V20-C2	SSC40
HBL20C215GY	G20-C2	N/A
HBL20C315IV	N/A	SSC52
HBL20C315GY	N/A	N/A
HBL20GB306GY	G20GB306	N/A
HBL20IG306GY	G20IG306	N/A
HBL20GB506GY	G20GB506	N/A
HBL20GB512GY	G20GB512	N/A
HBL20GB606GY	G20GB606	N/A
HBL20GB609GY	G20GB609	N/A
HBL20GB612GY	G20GB612	N/A
HBL20GB618GY	G20GB618	N/A
HBL20GBA512GY	G20GBA512	N/A
HBL20GBA609GY	G20GBA609	N/A
HBL20GBA612GY	G20GBA612	N/A
HBL20GBA618GY	G20GBA618	N/A
HBL20IG512GY	G20IG512	N/A
HBL20IG606GY	G20IG606	N/A
HBL24GB306GY	G24GB306	N/A
HBL24GB506GY	G24GB506	N/A
HBL24GB512GY	G24GB512	N/A
HBL24GBA512GY	G24GBA512	N/A
HBL24GB606GY	G24GB606	N/A
HBL24GB612GY	G24GB612	N/A
HBL24GB618GY	G24GB618	N/A
HBL24GBA612GY	G24GBA612	N/A
HBL24GBA618GY	G24GBA618	N/A
HBL20GB306IV	V20GB306	19GB306
HBL20IG306IV	V20IG306	19IG306
HBL20GB506IV	V20GB506	19GB506
HBL20GB512IV	V20GB512	19GB512
HBL20GB606IV	V20GB606	19GB606
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HBL20GB612IV	V20GB612	19GB612
HBL20GB618IV	V20GB618	19GB618
HBL20GBA512IV	V20GBA512	19GBA512
HBL20GBA609IV	V20GBA609	19GBA609
HBL20GBA612IV	V20GBA612	19GBA612
HBL20GBA618IV	V20GBA618	19GBA618
HBL20IG512IV	V20IG512	19IG512
HBL20IG606IV	V20IG606	19IG606
HBL24GB306IV	V24GB306	192GB306
HBL24GB506IV	V24GB506	192GB506
HBL24GB512IV	V24GB512	192GB512
HBL24GBA512IV	V24GBA512	192GBA512
HBL24GB606IV	V24GB606	192GB606
HBL24GB612IV	V24GB612	192GB612
HBL24GB618IV	V24GB618	192GB618
HBL24GBA612IV	V24GBA612	192GBA612
HBL24GBA618IV	V24GBA618	192GBA618

HBLALU2000 Series	ALA2000 Series	
HBLALU2000B10	AL2000B-10	N/A
HBLALU2000B5	AL2000B-5	N/A
HBLALU2000C5	AL2000C-5	N/A
HBLALU2000WC	AL2000WC	N/A
HBLALU2001	AL2001	N/A
HBLALU2003	AL2003	N/A
HBLALU2006	AL2006	N/A
HBLALU2009	AL2009	N/A
HBLALU2010A	AL2010A	N/A

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Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBLALU2010B	AL2010B	N/A
HBLALU2011	AL2011	N/A
HBLALU2015	AL2015	N/A
HBLALU2017	AL2017	N/A
HBLALU2018	AL2018	N/A
HBLALU2038	AL2038	N/A
HBLALU2040A	AL2040A	N/A
HBLALU2043	AL2043	N/A
HBLALU2044	AL2044	N/A
HBLALU20442	AL2044-2	N/A
HBLALU2047	AL2047	N/A
HBLALU20472	AL2047-2	N/A
HBLALU2051H	AL2051H	N/A

Aluminum PlugTrak®	Aluminum Plugmold®	
HBLALU20GB306	AL20GB306	N/A
HBLALU20GB506	AL20GB506	N/A
HBLALU20GB512	AL20GB512	N/A
HBLALU20GB606	AL20GB606	N/A
HBLALU20GB612	AL20GB612	N/A
HBLALU20GB618	AL20GB618	N/A
HBLALU20GBA606	AL20GBA606	N/A
HBLALU20GBA612	AL20GBA612	N/A
HBLALU20GBA618	AL20GBA618	N/A
HBLALU20IG306	AL20IG306	N/A
HBLALU20IG506	AL20IG506	N/A
HBLALU20IG606	AL20IG606	N/A
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HBLALU24GB506	N/A	N/A
HBLALU24GB512	N/A	N/A
HBLALU24IG506	N/A	N/A
HBLALU24GB606	N/A	N/A
HBLALU24GB612	N/A	N/A
HBLALU24GB618	N/A	N/A
HBLALU24GBA606	N/A	N/A
HBLALU24GBA612	N/A	N/A
HBLALU24GBA618	N/A	N/A
HBLALU24IG606	N/A	N/A

HBLALU3800 Series	ALA3800 Series	
HBLALU3800B10	ALA3800B-10	SWA3300
HBLALU3806	ALA3806	SWA3306
HBLALU3810B	ALA3810B	SWA3304
HBLALU3810B1	ALA3810B1	SWA3304
HBLALU3811	ALA3811	SWA3309
HBLALU3815	ALA3815	SWA3310
HBLALU3817	ALA3817	SWA3314
HBLALU3817N	ALA3817N	N/A
HBLALU3818	ALA3818	SWA3318
HBLALUC5	ALAC-5	SWA3303
HBLALUWC	ALAWC	N/A

Hubbell Catalog Number	Wiremold®	Mono–Systems, Inc.™
HBLALU4800 Series	**ALA4800 Series**	
HBLALU01	ALA01	SWA4802
HBLALU09	ALA09	SWA33GC
HBLALU17A	ALA17A	N/A
HBLALU4800B10	ALA4800B-10	SWA4804
HBLALU4806	ALA4806	SWA4806
HBLALU4810B	ALA4810B	SWA4804
HBLALU4810B2	ALA4810B2	SWA4804
HBLALU4811	ALA4811	SWA4809
HBLALU4815	ALA4815	SWA4810
HBLALU4817	ALA4817	SWA4814
HBLALU4817N	ALA4817N	SWA4817
HBLALU4818	ALA4818	SWA4818
HBLALUABRT	ALA-ABRT	N/A
HBLALUBL	ALA-BL	N/A
HBLALUDR	ALA-DR	SWA3346/SWA4846
HBLALUE	ALA-E	SWA3325/SWA4825
HBLALUF	ALA-F	SWA3345/SWA4826
HBLALUG	ALA-G	SWA3323/SWA4823
HBLALUJ	ALA-J	SWA4845
HBLALUN	ALA-N	SWA3348/SWA4848
HBLALULPB	N/A	N/A

Touch-Up Paint	Touch-Up Paint	
HBLGWEP	GWE-S	SMSPT-G
HBLIWEP	IWE-S	SMSPT-I

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Hubbell PolyTrak® Non-Metallic Surface Raceway

Features and Benefits

Complete Line of Raceway

- PolyTrak® Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices.
- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak® for all types of surface raceway requirements.
- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements.
- UL Listed and CSA Certified to 600 volts.
- Office white color.

Non-Metallic PlugTrak®

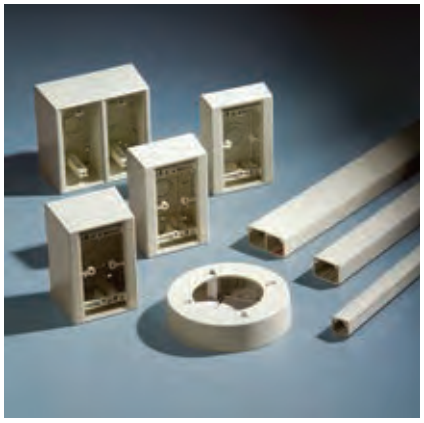
- Available as hard wired multi-outlet assembly or relocatable power tap.
- Hubbell designed and manufactured 15 or 20 Amp receptacles.
- UL Listed and CSA Certified.
- Office white color.

Hard Wired Multi-Outlet PlugTrak®:

- Available in 5 ft. or 6 ft. lengths.
- Available in single, two circuit and is inherently an isolated ground product.
- Multiple spacing configurations.
- Hard wired PlugTrak® mates with LANTrak® fittings and boxes.
- Tamper-Resistant versions available.

Portable PlugTrak®:

- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths.
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access.
- Pre-punched holes make mounting easy.



One Box, Three Systems

- Boxes have three cut-aways that can be utilized with WallTrak®, LANTrak and PremiseTrak (Latching) systems.
- Reduces inventory requirements.
- Eliminates need to order three separate boxes.
- Boxes available in low, standard and deep profiles.
- Two-gang divided box available for power, data, voice, audio and video applications.
- Boxes utilize Hubbell KP plates or Hubbell iSTATION Modules and Bezels.

Flush or Full Capacity Boxes

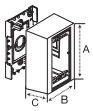
- Super BaseTrak® and BaseTrak® Raceway offer multiple solutions for box installation.
- Super BaseTrak® in-line three-gang box allows maximum capacity in a flush design.
- Super BaseTrak® and BaseTrak® available in single, two and three-gang full capacity boxes.
- Two and three channel BaseTrak® (PB2 and PB3) available with one and two-gang in-line boxes.
- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel.

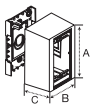
PT1 PremiseTrak®

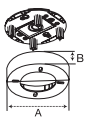
Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PT1BC5** **PT1BC7** A: .68" (17.27) B: .75" (19.05)	**PT1ABC5** **PT1ABC7** A: .68" (17.27) B: .75" (19.05)

Device Boxes

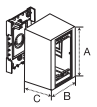
Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page R-63 for recommended plate options.	Office White	**PT12LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.12" (28.45)
1-Gang Standard Box For standard switches and receptacles. See page R-63 for recommended plate options.	Office White	**PT12SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)
Round Lighting Fixture Box To hang fixtures.	Office White	**PT12LFB** A: 5.31" (134.87) B: 1.04" (26.52)

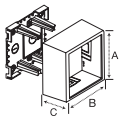






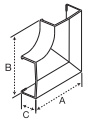
Description	Color	Catalog Number
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page R-63 for recommended plate options.	Office White	**PT12DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP", "IMF", or "IFP" plates for power or data applications. See page R-63 for recommended plate options.	Office White	**PT12TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)

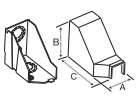




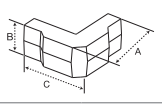
Fittings

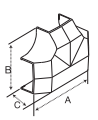
Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	**PT1IE** A: 1.34" (34.04) B: 0.89" (22.61) C: 1.34" (34.04)
Flat Elbow, Cover Only For right angle turns on same surface.	Office White	**PT1FE** A: 1.33" (33.78) B: 1.33" (33.78) C: 0.74" (18.80)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PT1SC** A: 1.00" (25.40) B: 0.89" (22.61) C: 0.74" (18.80)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PT12CA** A: 1.64" (41.66) B: 1.62" (41.15) C: 2.50" (63.50)

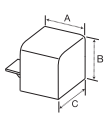




Description	Color	Catalog Number
External Elbow, Cover Only For outside surfaces at right angles.	Office White	**PT1EE** A: 1.24" (31.50) B: 0.88" (22.35) C: 1.24" (31.50)
Tee, Cover Only For T-connection off PremiseTrak® Raceway.	Office White	**PT1TC** A: 1.77" (44.90) B: 1.33" (33.78) C: 0.74" (18.80)
End Cap For closing end of raceway.	Office White	**PT1EC** A: 0.88" (22.35) B: 0.74" (18.80) C: 0.89" (22.61)



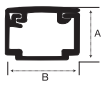




Dimensions in Inches (mm)

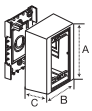
PP1 PremiseTrak®

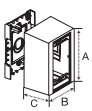
Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PP1BC5** **PP1BC7** A: 0.77" (19.56) B: 0.84" (21.34)	**PP1ABC5** **PP1ABC7** A: 0.77" (19.56) B: 0.84" (21.34)

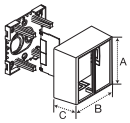


Device Boxes

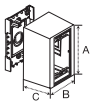
Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page R-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page R-63 for recommended plate options.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page R-63 for single gang "KP" plate options. Comes with removable divider.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

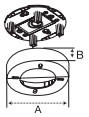


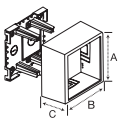




Description	Color	Catalog Number
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page R-63 for recommended plate options.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Round Lighting Fixture Box To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page R-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

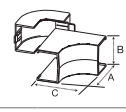


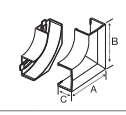


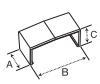


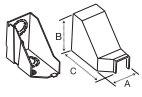
Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PP1IE*** **PP1IEBC**** A: 2.40" (60.96) B: 1.03" (26.16) C: 2.40" (60.96)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PP1FE*** **PP1FEBC**** A: 2.62" (66.55) B: 2.62" (66.55) C: 0.85" (21.59)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PP1SC** A: 1.09" (27.69) B: 1.02" (25.91) C: 0.85" (21.59)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)

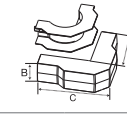


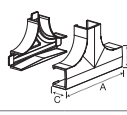


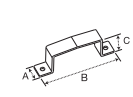




Description	Color	Catalog Number
External Elbow Full capacity 1¼ in. bend radius external elbow.	Office White	**PP1EE*** **PP1EEBC**** A: 4.47" (113.54) B: 1.03" (26.16) C: 4.47" (113.54)
Tee Full capacity 1¼ in. bend radius tee.	Office White	**PP1TC*** **PP1TCBC**** A: 4.22" (107.19) B: 2.62" (66.55) C: 0.85" (21.59)
End Cap For closing end of raceway.	Office White	**PP1EC** A: 1.00" (25.40) B: 0.84" (21.34) C: 0.77" (19.56)
Safety Strap For preventing potential tampering with PP1 PremiseTrak cover. Can also be used as a splice cover.	Office White	**PP1SS** A: 0.62" (15.75) B: 1.94" (49.28) C: 0.86" (21.84)







*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PL1 LANTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PL1BC5** **PL1BC7** A: 1.04" (26.42) B: 1.38" (35.05)	**PL1ABC5** **PL1ABC7** A: 1.04" (26.42) B: 1.38" (35.05)

Device Boxes

Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page R-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page R-63 for recommended plate options.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page R-63 for single gang "KP" plate options. Comes with removable divider.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

Description	Color	Catalog Number
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page R-63 for recommended plate options.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Round Lighting Fixture Box To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page R-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PL1IE*** **PL1IEBC**** A: 2.51" (63.75) B: 1.57" (39.88) C: 2.51" (63.75)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PL1FE*** **PL1FEBC**** A: 3.19" (81.03) B: 3.19" (81.03) C: 1.11" (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PL1SC** A: 1.12" (28.45) B: 1.55" (39.37) C: 1.11" (28.19)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)

Description	Color	Catalog Number
External Elbow Full capacity 1¼ in. bend radius external elbow.	Office White	**PL1EE*** **PL1EEBC**** A: 5.06" (128.52) B: 1.57" (39.88) C: 5.06" (128.52)
Tee Full capacity 1¼ in. bend radius tee.	Office White	**PL1TC*** **PL1TCBC**** A: 4.75" (120.65) B: 3.15" (80.01) C: 1.11" (28.19)
End Cap For closing end of raceway.	Office White	**PL1EC** A: 1.00" (25.40) B: 1.39" (35.31) C: 1.04" (26.42)
Safety Strap For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover.	Office White	**PL1SS** A: 0.62" (15.75) B: 2.68" (68.07) C: 1.12" (28.45)

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PW1 WallTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PW1BC5** **PW1BC7** A: .50" (12.70) B: 1.19" (30.23)	**PW1ABC5** **PW1ABC7** A: .50" (12.70) B: 1.19" (30.23)

Device Boxes

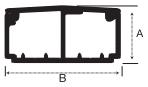
Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page R-63 for recommended plate options.	Office White	**PW1LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.13" (28.70)
1-Gang Standard Box For standard switches and receptacles. See page R-63 for recommended plate options.	Office White	**PW1SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)
Round Lighting Fixture Box To hang fixtures.	Office White	**PW1LFB** A: 5.31" (134.87) B: 1.04" (26.52)
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page R-63 for recommended plate options.	Office White	**PW1DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" plates for power or data applications. See page R-63 for recommended plate options.	Office White	**PW1TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)

Fittings

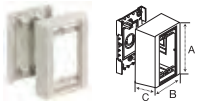
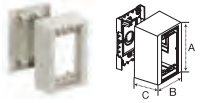
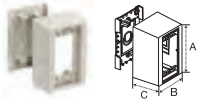
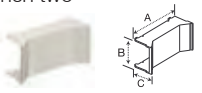
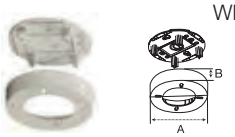
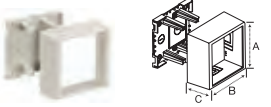
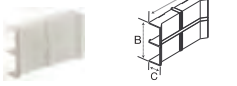
Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	**PW1IE** A: 1.75" (44.45) B: 1.43" (36.32) C: 1.75" (44.45)
Flat Elbow, Cover Only For right angle turns on same surface.	Office White	**PW1FE** A: 2.18" (55.37) B: 2.18" (55.37) C: .60" (15.24)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PW1SC** A: 1.00" (25.40) B: 1.43" (36.32) C: .60" (15.24)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PW1CA** A: 1.40" (35.56) B: 2.34" (59.44) C: 3.22" (81.79)
External Elbow, Cover Only For outside surfaces at right angles.	Office White	**PW1EE** A: 1.50" (38.10) B: 1.43" (36.32) C: 1.50" (38.10)
Tee, Cover Only For T-connection off PremiseTrak® Raceway.	Office White	**PW1TC** A: 2.93" (74.42) B: 2.18" (55.37) C: .60" (15.24)
End Cap For closing end of raceway.	Office White	**PW1EC** A: 1.00" (25.40) B: 1.24" (31.50) C: .50" (12.70)

Dimensions in Inches (mm)

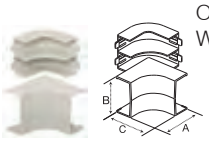
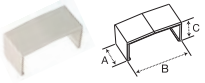
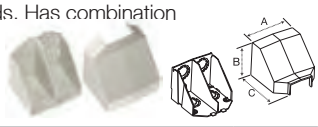
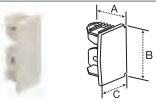
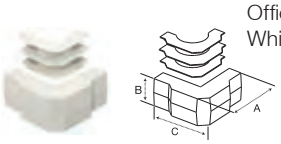
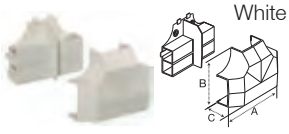
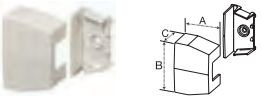
PW2 WallTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White 	5 ft. 7 ft.	**PW2BC5** **PW2BC7** A: 1.04" (26.42) B: 2.12" (53.85)	**PW2ABC5** **PW2ABC7** A: 1.04" (26.42) B: 2.12" (53.85)

Device Boxes

Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page R-63 for recommended plate options. 	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page R-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered. 	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page R-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered. 	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
1-Gang Divider For use with PDB12S and PDB12D 1-gang boxes. Required when two services are passing through box. 	Office White	**PDB1DIV** A: 2.79" (70.86) B: 1.40" (35.56) C: 0.94" (23.88)
Round Lighting Fixture Box To hang fixtures. 	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page R-63 for details. 	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
2-Gang Deep Divided Box For deep devices or applications where additional room is beneficial. See page R-63 for single gang "KP" plate options. Comes with removable divider. If using dual services, in a perpendicular run the PDB2DIV must be ordered.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
2-Gang Divider For use with PDB12TGD 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway. 	Office White	**PDB2DIV** A: 4.62" (117.35) B: 2.76" (70.10) C: 0.94" (23.88)

Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow. 	Office White	**PW2IE*** **PW2IEBC**** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PW2FE*** **PW2FEBC**** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PW2SC** A: 1.11" (28.19) B: 2.30" (58.42) C: 1.11" (28.19)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs. 	Office White	**PW2CACF** A: 4.18" (106.17) B: 3.32" (84.33) C: 4.20" (106.68)
End Cap For closing end of PW2 WallTrak Raceway. 	Office White	**PW2EC** A: 1.00" (25.40) B: 2.14" (54.36) C: 1.04" (26.42)
External Elbow Full capacity 1¼ in. bend radius external elbow. 	Office White	**PW2EE*** **PW2EEBC**** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)
Tee Full capacity 1¼ in. bend radius tee. 	Office White	**PW2TC*** **PW2TCBC**** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)
Safety Strap For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover.	Office White	**PW2SS** A: 0.62" (15.75) B: 3.43" (87.12) C: 1.12" (28.45)
Reducer Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak Raceway(s). 	Office White	**PW2RED** A: 1.62" (41.15) B: 2.40" (60.96) C: 1.15" (29.21)

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PB2 BaseTrak®

Description	Color	Length	Catalog Number
Base Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.50" (114.30) H: 1.63" (41.40)	Office White	5 ft. 10 ft.	**PB2B5** **PB2B10** A: 1.42" (36.07) B: 4.50" (114.30)
Cover Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	**PB2C5** **PB2C10** B: 4.50" (114.30)
Split Cover Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section.	Office White	5 ft. 10 ft.	**PB2SPL5** **PB2SPL10** B: 2.22" (56.39)

Device Boxes

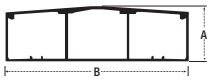
Description	Color	Catalog Number
2-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page R-63 for recommended single gang "KP" plate options.	Office White	**PB2IND2G** A: 7.66" (194.56) B: 4.74" (120.40) C: 1.84" (46.74)

Fittings

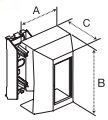
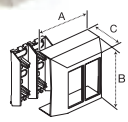
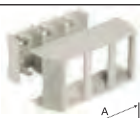
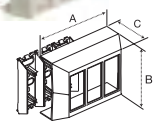
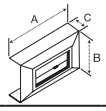
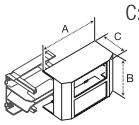
Description	Color	Catalog Number
Internal Elbow, Base and Cover Full capacity 1¼ in. bend radius internal elbow.	Office White	**PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)
External Elbow, Base and Cover Full capacity 1¼ in. bend radius external elbow.	Office White	**PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Flat Elbow, Base and Cover Full capacity 1¼ in. bend radius flat elbow.	Office White	**PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)
Tee, Base and Cover Full capacity 1¼ in. bend radius tee.	Office White	**PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PB3SC** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)
Safety Strap For preventing potential tampering with PB2 BaseTrak cover. Can also be used as a splice cover.	Office White	**PB3SS** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	**PB2CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)
Reducer Reduces from PB2 BaseTrak Raceway to PW2 WallTrak Raceway.	Office White	**PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Transition Fitting Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak PL1 LANTrak or PP1 PremiseTrak.	Office White	**PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)
Surface Panel Connector For connecting PB2 Raceway with surface type panel boxes.	Office White	**PB3SPCA** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)
End Cap For closing end of PB2 BaseTrak Raceway.	Office White	**PB3ECA** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)
Wire Clip For holding conductors in place.	Office White	**PB2WC**

Dimensions in Inches (mm)

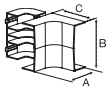
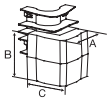
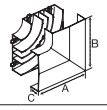
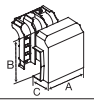
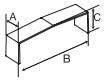
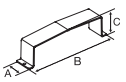
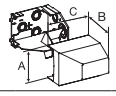
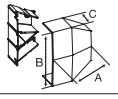
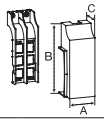
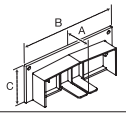
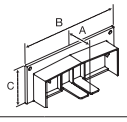
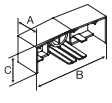
PB3 BaseTrak®

Description	Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. 	Office White	5 ft. 10 ft.	**PB3BC5** **PB3BC10** A: 1.63" (41.40) B: 4.50" (114.30)

Device Boxes

Description	Color	Catalog Number	Catalog Number	Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page R-63 for recommended single gang "KP" plate options. 	Office White	**PB3FCIB** **(1-Gang)** A: 4.38" (111.25) B: 4.80" (121.92) C: 3.17" (80.52)	**PB3FCIB2G** **(2-Gang)** A: 7.20" (182.88) B: 4.80" (121.92) C: 3.17" (80.52) 	**PB3FCIB3G** **(3-Gang)** A: 9.96" (252.98) B: 4.80" (121.92) C: 3.17" (80.52)  
1-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page R-63 for recommended plate options. 	Office White	**PB3IND** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**2-Gang In-Line Box** For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expandec capacity. See page R-63 for recommended single gang "KP" plate options. 	**PB3IND2G** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)

Fittings

Description	Color	Catalog Number	Catalog Number	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow. 	Office White	**PB3IE*** **PB3IEBCA**** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**External Elbow** Full capacity 1¼ in. bend radius external elbow. 	**PB3EE*** **PB3EEBCA**** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow. 	Office White	**PB3FE*** **PB3FEBCA**** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**Tee** Full capacity 1¼ in. bend radius tee. 	**PB3TCBCA**** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PB3SC*** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	**Safety Strap** Prevents potential tampering with PB3 BaseTrak cover. Can also be used as a splice cover. 	**PB3SS*** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs. 	Office White	**PB3CACF**** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	**Reducer** Reduces from PB3 BaseTrak Raceway to PW2 WallTrak Raceway. 	**PB3REDA**** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Transition Fitting Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak. 	Office White	**PB3TRBC**** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	**Transition Fitting** Transitions from BT3 (old style) BaseTrak Raceway to PB3 (new style) BaseTrak Raceway. 	**BTPB3TF*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.35" (34.29)
Surface Panel Connector For connecting PB3 Raceway with surface type panel boxes. 	Office White	**PB3SPCA*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	**End Cap** For closing end of PB3 BaseTrak Raceway. 	**PB3ECA*** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)
Wire Clip For holding conductors in place.	Office White	**PB3WC**		

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PS3 BaseTrak®

Description	Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	**PS3BC5** **PS3BC10** A: 1.97" (50.04) B: 6.70" (170.18)

Device Boxes

Description	Color	Catalog Number	Catalog Number	Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PS3 Raceway to box for either power or datacom applications. See page R-63 for recommended single gang "KP" plate options.	Office White	**PS3FCIB** **(1-Gang)** A: 4.38" (111.25) B: 6.95" (176.53) C: 3.46" (87.88)	**PS3FCIB2G** **(2-Gang)** A: 7.20" (182.88) B: 6.95" (176.53) C: 3.46" (87.88)	**PS3FCIB3G** **(3-Gang)** A: 9.96" (252.98) B: 6.95" (176.53) C: 3.46" (87.88)
3-Gang In-Line Box For any combination of power and datacom applications. Provides flush look. See page R-63 for recommended single gang "KP" plate options.			Office White	**PS3IND** A: 7.00" (177.80) B: 6.95" (176.53) C: 2.28" (57.91)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PS3IE*** **PS3IEBC**** A: 4.36" (110.74) B: 6.93" (176.02) C: 4.36" (110.74)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.	Office White	**PS3EE*** **PS3EEBC**** A: 6.81" (172.97) B: 6.93" (176.02) C: 6.81" (172.97)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PS3FE*** **PS3FEBC**** A: 9.85" (250.19) B: 9.85" (250.19) C: 2.08" (52.83)	**Tee** Full capacity 1¼ in. bend radius tee.	Office White	**PS3TCBC**** A: 10.00" (254.00) B: 9.68" (245.87) C: 3.30" (83.82)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PS3SC*** A: 1.56" (39.62) B: 6.95" (176.53) C: 2.03" (51.62)	**Safety Strap** Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover.	Office White	**PS3SS*** A: 1.50" (38.10) B: 8.24" (209.30) C: 2.08" (52.85)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	**PS3CACF**** A; 6.93" (176.02) B: 4.32" (109.73) C: 6.29" (159.77)	**Reducer** Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Raceway.	Office White	**PS3RED**** A: 4.81" (122.17) B: 6.93" (176.02) C: 2.05" (52.07)
Surface Panel Connector To connect PS3 Raceway with surface type panel boxes.	Office White	**PS3SPC*** A: 1.00" (25.40) B: 7.87" (199.90) C: 2.54" (64.52)	**End Cap** For closing end of PS3 Super BaseTrak Raceway.	Office White	**PS3EC*** A: 1.50" (38.10) B: 6.88" (174.75) C: 2.06" (52.32)
Wire Clip For holding conductors in place.	Office White	**PS3WC**			

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

	Amp	Circuits	# Duplex Receptacles	Receptacle Spacing (in.)	Catalog Number
5 Foot Base and Cover	15	Single	5	12	**PT155112**
	15	Two	5	12	**PT155212**
	15	Single	4	15	**PT155115**
	15	Single	2	30	**PT155130**
	15	TR/Single	5	12	**PT155112TR**
	20	Single	5	12	**PT205112**
	20	Two	5	12	**PT205212**
	20	Single	4	15	**PT205115**
	20	Two	4	15	**PT205215**
	20	Single	2	30	**PT205130**
	20	Single	5	12	**PT205112TR**
6 Foot Base and Cover	15	Single	6	12	**PT156112**
	15	Two	6	12	**PT156212**
	15	Single	4	18	**PT156118**
	15	Single	3	24	**PT156124**
	20	Single	12	6	**PT206106**
	20	Two	12	6	**PT206206**
	20	Single	6	12	**PT206112**
	20	Two	6	12	**PT206212**
	20	Single	4	18	**PT206118**
	20	Two	4	18	**PT206218**
	20	Single	3	24	**PT206124**
	20	Two	3	24	**PT206224**
	20	Single	2	36	**PT206136**

Note: Each Non-Metallic PlugTrak is supplied with one PL1EC end cap and "IG" stickers for isolated ground applications.

	Amp	Length (ft.)	Cord Length (ft.)	# Duplex Receptacles	Catalog Number
Portable	15	3	6	3	**PT153112P**
	15	5	6	5	**PT155112P**
	20	3	6	2	**PT203112P**
	20	5	6	5	**PT205112P**
	Supporting Mounting Clip for Portable PlugTrak.				**PL1MC**

Note: Includes on/off switch and circuit breaker.

Tamper-Resistant

	Description	Catalog Number	Description	Catalog Number
Device Boxes	1-Gang Low Profile	**PDB12LP**	1-Gang Deep	**PDB12D**
	1-Gang Standard	**PDB12S**	2-Gang Deep Divided	**PDB12TGD**
	Round Lighting Fixture	**PDB12LF**		
Fittings	Internal Elbow Base and Cover	**PL1IEBC**	Internal Elbow Cover Only	**PL1IE**
	External Elbow Base and Cover	**PL1EEBC**	External Elbow Cover Only	**PL1EE**
	Flat Elbow Base and Cover	**PL1FEBC**	Flat Elbow Cover Only	**PL1FE**
	Tee Base and Cover	**PL1TCBC**	Tee Cover Only	**PL1TC**
	Splice Cover	**PL1SC**	Safety Strap	**PL1SS**
	Conduit Adapter/ Ceiling Fitting	**PLP1CACF**	End Cap	**PL1EC**

Note: See page R-56 for additional information.

PL1MC
Supporting Mounting Clip

Plates, Frames and Modular Connector Fittings

Communication Outlet Plates and Frames

UL LISTED CSA CERTIFIED

1-Gang "KP" Plates

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Office White	**KP8** Duplex	**KP26** Style Line®	**KP1** Toggle	**KP7** Receptacle (1.41 ID)	**KP720** Receptacle (1.60 ID)
Office White	**KP14** Blank	**KP212** Coax (2)	**KP2140** Jack/Coax	**KP2162** Modular Jacks (2)	**KP2163** Modular Jacks (3)
Office White	**KPORTOW** Ortronics Series II® Data Module	**KPPANOW** Panduit Mini-Com® Data Module	**KPIMBZOW** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section).		

2-Gang "KP" Plates

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Office White	**KP82** 2-Gang Duplex	**KP262** 2-Gang Style Line®	**KP2** 2-Gang Toggle	**KP24** 2-Gang Blank

Note: 2-Gang "KP" plates, for use with PT12TGB and PW1TGB only.

Comm. "IFP" Plates & Frames

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Office White	**IFP126OW** Style Line®	**ISF2OW** Style Line® 2-Port	**ISF3OW** Style Line® 3-Port	**ISF4OW** Style Line® 4-Port	**ISF6OW** Style Line® 6-Port
Office White	**IFP18OW** Duplex	**BR106C** Duplex 2-Port	**Q106O** Duplex 4-Port	**IFP12OW** Flush 2-Port	**IFP13OW** Flush 3-Port
Office White	**IFP14OW** Flush 4-Port	**IFP16OW** Flush 6-Port	**IFP26OW** 2-Gang 6-Port	**IFP29OW** 2-Gang 9-Port	**IFP212OW** 2-Gang 12-Port

Note: Ivory metal raceway matches almond devices and plates. For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices.

Frames & Modules

Description	Color	1-Gang	2-Gang
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section W for additional information on Hubbell iSTATION modules. Each gang accepts 3 module units.	Office White	**IMF1OW**	**IMF2OW**

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZOW bezel and appropriate Hubbell iSTATION modules located in section W. Use appropriate Hubbell iSTATION modules for SC fiber adapters. See section W for additional information on modular connectors.

Modular Connector Fittings

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Office White	**SFFX** F-Connector	**SFST** ST Fiber Connector	**SFBOW** BNC Connector	**SFB10** Blank (10 Pack)
Office White	**SFRC110R** (Black housing only) RCA 110 Punchdown	**SFSV110BK** (Black housing only) Super S-Video	**FASCMPB6** SC Duplex Adapter	**FASTSCEMPB6** SC to ST Duplex Adapter

Xcelerator Modular Jacks

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**HXJ5EOW** Cat. 5e, T568A, T568B, RJ45	**HXJ6OW** Cat. 6, T568A, T568B, RJ45	**HXJUOW** 6 Position USOC, RJ25

Jack Color Options (Replaces **AL** Suffix)

OW=Office White	**GY**=Gray	**BK**=Black	**W**=White	**OR**=Orange	**R**=Red	**Y**=Yellow	**B**=Blue	**GN**=Green	**EI**=Elec Ivory

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Non-Metallic Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series	**Channel**	**Channel Area (sq. in.)**	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
PT1	**A**	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4
PP1	**A**	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5
PL1	**A**	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14
PW1	**A**	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4
PW2	**A+B**	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22
A B	**A**	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11
	B	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11
PB2	**A+B**	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79
A B	**A or B**	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PB3	**A+B+C**	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77
A B C	**A or C**	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25
	B	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27
PS3	**A+B+C**	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147
A B C	**A or C**	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
	B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Recommended Plate to Box Compatibility Selection Chart

Non-Metallic Raceway Box Series		PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series	
Plate Style	**Sample Catalog Number**	**IND**	**FCIB**	**FCIB2G**	**FCIB3G**	**IND**	**IND2G**	**FCIB**	**FCIB2G**	**FCIB3G**	**IND2G**	**LP, S, D**	**TGD**	**TGLV**	**LP(B), S(BA), D(BA)**	**TGB**
1-Gang KP Series Plate	**KP8**	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang KP Series Bezel	**KPIMBZ**	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang Standard Data Plate	**IFP12OW**		X	X	X	X		X	X	X		X			X	
1-Gang iSTATION Plate Frame	**IMF1OW**		X	X	X	X		X	X	X		X			X	
Style Line® Data Plate	**IFP126OW**		X	X	X	X		X	X	X		X			X	
Duplex Data Plate	**IFP18OW**		X	X	X	X		X	X	X		X			X	
2-Gang iSTATION Plate Frame	**IMF2OW**													X		X
2-Gang Standard Data Plate	**IFP29OW**													X		X
2-Gang KP Series Plate	**KP82**															X

Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.

Physical Properties (When tested in accordance with UL 5A)

Impact Resistance	5 ft. lbs.
Crush Resistance	300 lbs.
Temperature Range	-25.6° to 158° F
Flame Rating	UL94V-0
Material	UV Stabilized PVC

Codes/Standards

EIA/TIA	569A
UL Standard	UL 5A
Listings	E118895 / E119190
CSA Standard	C22.2 no. 62
Certified	LR87514

PlugTrak Specifications

Receptacle Rating	NEMA 5-15R & 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Pre-Wired Raceway Systems

Introduction

Hubbell has been setting the standard in the electrical industry since 1888, through innovations such as Twist-Lock®, Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with ***Pre-Wired Raceway Systems*** that are manufactured to your specifications.

Our Pre-Wired Raceway Systems will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

Pre-Wired Raceways are available in:

- ✓ Steel (Ivory and Gray)
- ✓ Aluminum
- ✓ Non-Metallic (Office White)

Quality by Design
All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified. Each raceway receives a 100% quality inspection and testing prior to shipment. Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell.

Labeling and Engraving
Optional labeling is available to identify branch panels and circuits at receptacle locations. Choose from adhesive labels or engraved aluminum plates.

Wire Identification
Wire leads are clearly labeled with corresponding circuit numbers. This aids the installer when terminating to building wiring or connecting from duct to duct. Ample wire is provided at feed locations.

Pre-Wired Raceway Systems

Features and Benefits

Save Time and Money, Completing the Job Quicker and On Schedule, with Hubbell…

With Standard Raceway...

Unpack, identify and sort component parts.
Deliver components to work area for assembly and installation.

Measure and cut.
Clean and de-burr sharp edges.
Secure to the wall and fasten.

Pull wire.
Label and bundle each raceway circuit.
Install receptacles and test.

With Hubbell Pre-Wired Raceway...

Pallet delivered to your worksite, labeled by room, floor area and/or building.

Unpack and install!

Installed in half the time!

Project Support and Documentation

- ✓ A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.
- ✓ A project engineer, located at the factory, is assigned to your project as a direct point of contact.

Manufacturing and Testing

- ✓ Precisely measured, cleanly cut, wired and assembled to your specifications.
- ✓ The wiring harness is then bundled and labeled for circuit identification for ease of installation.
- ✓ Assembly is tested for assured continuity and 100% quality inspected before kitting.

Installs In A Snap

- ✓ Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.
- ✓ Just remove raceway from the packaging and secure to the wall.
- ✓ Make power connections, snap on covers, test and you are done!

Options:

Circuit Identification and Labeling:

- ✓ Adhesive Labeling
- ✓ Engraving

Wiring Circuits Options:

- ✓ Insulation Displacement Connectors
- ✓ Wire Nuts
- ✓ Wiring Devices

Kit raceway for delivery by:

- ✓ Room
- ✓ Floor
- ✓ Area
- ✓ Building

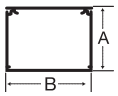
Aluminum, Steel and Non-Metallic Pre-Wired Raceways

Features and Benefits

Aluminum Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

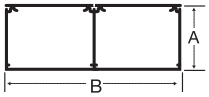
HBLALU3800 Series Aluminum Raceway

Description	Dimension
Aluminum Raceway, Single Channel, Satin Anodized Finish.	A: 2.25" (57.15) B: 3.00" (76.20)



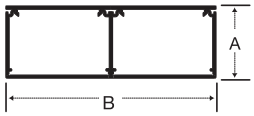
HBLALU4800 Series Aluminum Raceway

Description	Dimension
Aluminum Raceway, Two Channel, Satin Anodized Finish.	A: 2.25" (57.15) B: 6.00" (152.40)



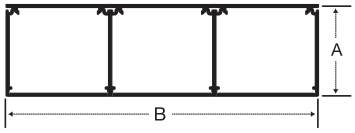
HBLALU5000 Series Aluminum Raceway

Description	Dimension
Aluminum Raceway, Two Channel, Satin Anodized Finish.	A: 1.75" (44.45) B: 5.08" (129.03)



HBLALU7620 Series Aluminum Raceway

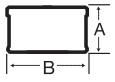
Description	Dimension
Aluminum Raceway, Three Channel, Satin Anodized Finish.	A: 2.25" (57.15) B: 7.62" (193.55)



Steel Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

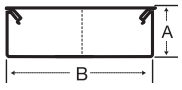
HBL3000 Series Metal Raceway

Description	Dimension
Steel Raceway, Single Channel, Ivory or Gray Finish.	A: 1.53" (38.86) B: 2.75" (69.85)



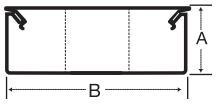
HBL4750 Series Metal Raceway

Description	Dimension
Steel Raceway, Single or Two Channel (with Divider), Ivory or Gray Finish.	A: 1.75" (44.45) B: 4.75" (120.65)



HBL6750 Series Metal Raceway

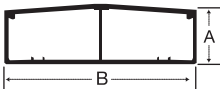
Description	Dimension
Steel Raceway, Single, Two Channel (with One Divider) or Three Channel (with Two Dividers), Ivory or Gray Finish.	A: 2.22" (56.39) B: 6.75" (171.45)



Non-Metallic Pre-Wired Raceway

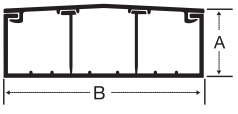
PB2 BaseTrak® Series Non-Metallic Raceway

Description	Dimension
Non-Metallic Raceway, Two Channel, Office White Color.	A: 1.63" (41.40) B: 4.50" (114.30)



PS3 Super BaseTrak® Series Non-Metallic Raceway

Description	Dimension
Non-Metallic Raceway, Three Channel, Office White Color.	A: 1.97" (50.04) B: 6.70" (170.18)



Dimensions in Inches (mm)

Hubbell Pre-Wired Raceway with LINKOSITY®

Features and Benefits

UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections

Hubbell Pre-Wired Metal Raceway with LINKOSITY® connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

The Hubbell Metal Raceway/LINKOSITY combination can be provided as a factory assembled system or by having a licensed electrician purchase and field install the required LINKOSITY components into the metal raceway.

Features	Benefits
UL Listed, NEC Compliant assemblies	Complete code compliance minimizes design time, startup costs and building inspector acceptance.
Flexible, modular terminations	Simplifies moves, adds and changes. Reduces long term total cost of ownership.
Pre-configured, factory wired	Minimizes field wiring. Devices are custom configured to the application, tested and ready to install.
Cable rated TC-ER, MTW, STOOW	One cable suitable for use in all commercial applications
In-line 106 data/communications frame	Data/Communications may be field installed anywhere along the raceway eliminating large boxes.

LINKOSITY®

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)* ** ½ inch NPT rear thread*	**20** = 20A up to 600V	**02** **03** **04** **05**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue*** ***other color codes available upon request.* ****Two wire only.*	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	**03** **04** **05** **06**		
	30 = 30A up to 600V	**04**		

Example: **PH** **23** **06** **PB** **005**

Cable Assemblies

The LINKOSITY® cable assemblies are code compliant with the NEC and NFPA 79, and suitable for use in virtually any environment as either a permanent or temporary installation.

Receptacles

The UL Listed LINKOSITY® male inlets or female receptacles provide the capability of interfacing directly with facility wiring by simply mounting into established fixed enclosures.

Closure Caps

Protects unused devices from the harmful effects of harsh environments.

Tees

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Specifications

Material	
Raceway	Steel, Anodized Aluminum
LINKOSITY Cables	UL 600V Type TC-ER, MTW, STOOW, polyurethatne overmolded terminations

Codes/Standards	
Raceway	UL5, surface metal raceway and fittings C22.2 no. 62, surface metal raceway and fittings TIA/EIA 569B, commercial building standard for telecom pathways and spaces
LINKOSITY	UL2238, UL50

Trench and Wall Duct Products

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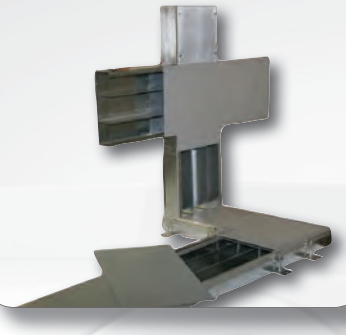
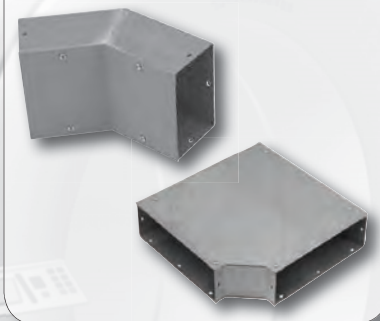
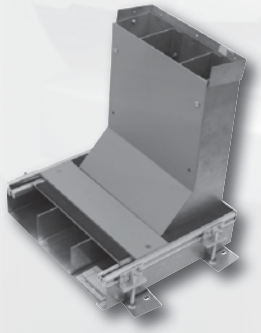
Trench and Wall Duct Series



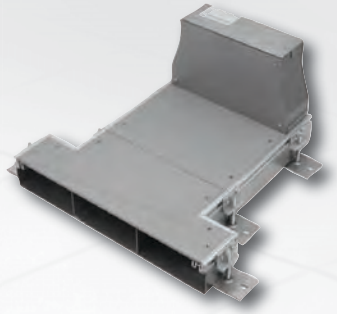
Elbow Fittings



Vertical Riser Fittings



Trench Duct Fittings



Hubbell also manufactures a comprehensive line of Floor Duct and Casino Duct products. Contact your local Hubbell representative for product information.

A high capacity trench system for in-floor wire management.

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines. Trench duct is also used as a stand alone system for commercial and retail applications where ease of access and high capacity are crucial variables.

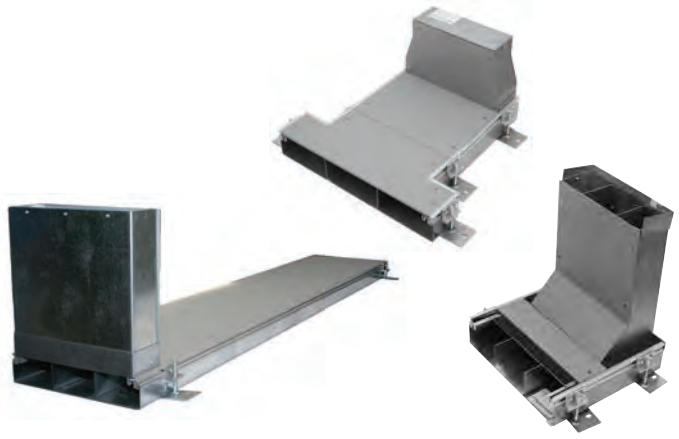
Multiple compartments provide more capacity than conventional ducts.

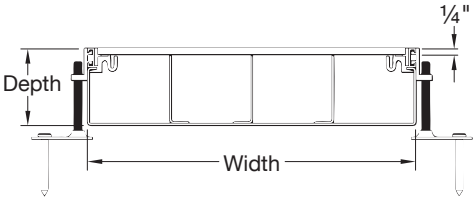
The Hubbell Trench system provides more capacity than conventional conduits and ducts. It features a single, high-capacity duct with up to four compartments for easy placement of additional wiring.

It's open top design allows wiring to be laid in the duct instead of being pulled, eliminating the need for junction boxes.

Removable covers are ¼" thick and lock into the track of the trench. Internal dividers and/or support strips increase load capacity of heavy-duty cover. These removable covers allow free access to wiring and can be placed anywhere along the duct for easy wire exit relocation.

- High capacity design supports large wiring for single and multiple service requirements
- Open top design allows wire to be easily laid in duct
- Cover plates are removable and adjust horizontally to any point along the duct. Custom lengths of trench and fittings are available. Provided in either galvanized G90 steel or nonferrous aluminum.
- Multiple compartment options allows for multiple circuit and low voltage separation
- Innovative duct support assembly allows for pre-pour leveling
- Packaging and labeling by project floor and room is available





Trench Duct Range of Offering

Trench Product	Depth ½" Increments	Width	Compartments	Cover Plate
OKA = Trench **OKB** = Pull Box **OKC** = Exit Cover **OKE** = End Cap **OKL** = Horizontal L **OKR** = Vertical Riser **OKT** = T Junction Box **OKX** = X Junction Box	**A** = 2" **B** = 2½" **C** = 3" **D** = 3½" **E** = 4" **J** = 6" **N** = 8" (Other Depths Available)	**9** **12** **18** **24** (Other Widths Avail.)	**1C** = 1 Compartment **2C** = 2 Compartment **3C** = 3 Compartment **4C** = 4 Compartment	**1/4** = ¼" thick

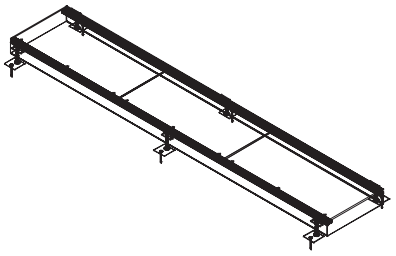
*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page S-2 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Trench Duct

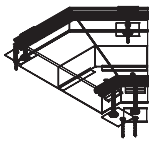
Description	Trench Depth	Cover Width	No. of Compartments	Catalog Number
Straight Section Manufactured in standard 6' lengths with factory installed dividers. Provided with (3) leveling feet on each side, (3) 24" long cover plates and (3) cover plate joint protectors.	2½"	9"	1	**OKA/B9-1C-1/4**
	3"	9"	2	**OKA/C9-2C-1/4**
	2½"	12"	2	**OKA/B12-2C-1/4**
	3"	12"	3	**OKA/C12-3C-1/4**
	2½"	18"	3	**OKA/B18-3C-1/4**
	3"	18"	4	**OKA/C18-4C-1/4**
	2½"	24"	3	**OKA/B24-3C-1/4**
	3"	24"	4	**OKA/C24-4C-1/4**

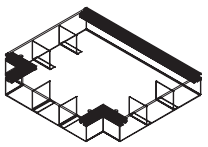


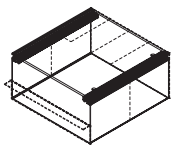
*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

Fittings

Description	Outside Cover	No. of Compartments	Catalog Number
Horizontal "L" Fitting Manufactured with a single cover and matching internal partitions to form a 90° horizontal "L". Includes cover plate joint protectors and leveling feet.	12" x 12"	1	**OKL/B9-1C**
	12" x 12"	2	**OKL/C9-2C**
	15" x 15"	2	**OKL/B12-2C**
	15" x 15"	3	**OKL/C12-3C**
	21" x 21"	3	**OKL/B18-3C**
	21" x 21"	4	**OKL/C18-4C**
	27" x 27"	3	**OKL/B24-3C**
	27" x 27"	4	**OKL/C24-4C**
Horizontal 45° Elbow Fitting Manufactured with a split cover plate and matching internal partitions to form a 45° Mitered "L". Other angles available. Includes cover plate joint protectors and leveling feet.	45°	1	**OKL/B9-1Cx45**
	45°	2	**OKL/C9-2Cx45**
	45°	2	**OKL/B12-2Cx45**
	45°	3	**OKL/C12-3Cx45**
	45°	3	**OKL/B18-3Cx45**
	45°	4	**OKL/C18-4Cx45**
	45°	3	**OKL/B24-3Cx45**
	45°	4	**OKL/C24-4Cx45**
Single Level "T" Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15" x 12"	1	**OKT/B9-1C**
	15" x 12"	2	**OKT/C9-2C**
	18" x 15"	2	**OKT/B12-2C**
	18" x 15"	3	**OKT/C12-3C**
	24" x 21"	3	**OKT/B18-3C**
	24" x 21"	4	**OKT/C18-4C**
	30" x 27"	3	**OKT/B24-3C**
	30" x 27"	4	**OKT/C24-4C**
Pull Box Manufactured to attach to trench section replacing end cap. Divided into compartment as shown. Additional depth permits attachment of large conduits. Box is field punched for conduits. Standard depth is 6".	9" x 12"	1	**OKB/B9-1C**
	9" x 12"	2	**OKB/C9-2C**
	12" x 12"	2	**OKB/B12-2C**
	12" x 12"	3	**OKB/C12-3C**
	18" x 12"	3	**OKB/B18-3C**
	18" x 12"	4	**OKB/C18-4C**
	24" x 12"	3	**OKB/B24-3C**
	24" x 12"	4	**OKB/C24-4C**

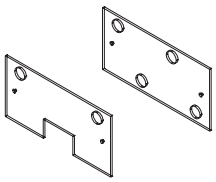






Exit Cover Fittings

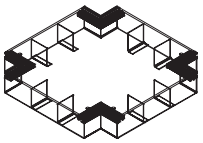
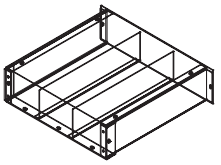
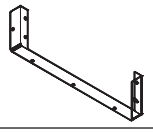
Description	Trench Width	Max Size Conduit	Catalog Number
Exit Cover Designed to provide exit and feed for Trench Duct. Conduit openings are provided for power and communication exit or feed using conventional fittings or service fittings. Cable Exit Cap (OKSK) is for communication cable only. Exit fittings cover may be spaced anywhere along the length of the trench. All exit fitting covers are 6" long.	9"	¾"	**OKC/9-3/4A**
	12"	¾"	**OKC/12-3/4A**
	18"	¾"	**OKC/18-3/4A**
	24"	¾"	**OKC/24-3/4A**
	9"	¾"	**OKC/9-3/4C**
	12"	¾"	**OKC/12-3/4C**
	18"	¾"	**OKC/18-3/4C**
	24"	¾"	**OKC/24-3/4C**
Cable Exit Cap Fits opening in Type "A" Exit Cover. Provides outlet for communication cable. Debris barrier included. Cable Exit Cap constructed from die cast aluminum. For use with Type "A" exit covers only.	All	—	**OKSK**



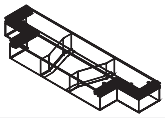
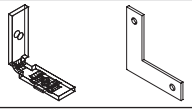
Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page S-2 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Fittings

Description	For Trench Duct (Width x Depth)	Max Size Conduit	Catalog Number	
Single Level "X" Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15" x 15" 15" x 15" 18" x 18" 18" x 18" 24" x 24" 24" x 24" 30" x 30" 30" x 30"	1 2 2 3 3 4 3 4	**OKX/B9-1C** **OKX/C9-2C** **OKX/B12-2C** **OKX/C12-3C** **OKX/B18-3C** **OKX/C18-4C** **OKX/B24-3C** **OKX/C24-4C**	
End Cap Fits over end of trench run to close trench and prevent foreign material from entering. End cap may be drilled to accept conduit.	9" x 2½" 9" x 3" 12" x 2½" 12" x 3" 18" x 2½" 18" x 3" 24" x 2½" 24" x 3"	¾" 1" ¾" 1" ¾" 1" ¾" 1"	**OKE/B9** **OKE/C9** **OKE/B12** **OKE/C12** **OKE/B18** **OKE/C18** **OKE/B24** **OKE/C24**	
Vertical Riser Fitting (Straight) Manufactured to transition from trench duct to a panel, pull box or to conduit. Mounts on trench in place of cover. Partitioned to separate cells and flanged to attach to a pull box or panel. Removable front cover and top cover. Includes OWV trench-to-wall duct adapter. Standard height above finish floor —12". Standard depth —3½". Available in a sweep version (replace OKR with OKSWR)	9" x 3½" 9" x 3½" 12" x 3½" 12" x 3½" 18" x 3½" 18" x 3½" 24" x 3½" 24" x 3½"	— — — — — — — —	**OKR/D9-1C** **OKR/D9-2C** **OKR/D12-2C** **OKR/D12-3C** **OKR/D18-3C** **OKR/D18-4C** **OKR/D24-3C** **OKR/D24-4C**	
Trench to Wall Duct Adapter Manufactured to transition from Trench Duct to Wall Duct. Mounts on trench in place of cover.	9" x 3½" 12" x 3½" 18" x 3½" 24" x 3½"	— — — —	**OWV/D9** **OWV/D12** **OWV/D18** **OWV/D24**	

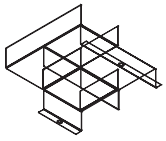
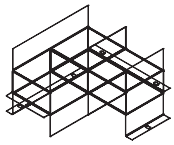
Additional Fittings

Description	Trench Width #1	Trench Width #2	Catalog Number	
Reducer Fitting Manufactured to transition from a wide trench duct width to a narrower trench duct width.	9" 12" 18" 24"	6" 9" 12" 18"	**OKARED/B9-6-2C** **OKARED/B12-9-3C** **OKARED/B18-12-3C** **OKARED/B24-18-4C**	
Fastening Angles Accessories to join trench sections for field fabrication of horizontal and vertical assemblies.	Horizontal Angle Vertical Angle	— —	**OK/VWI** **OK/VVW**	

Trench Duct Accessories

Description	Accessory Type	Catalog Number
Permits 1" of pre-pour vertical adjustment and couples sections together. "x" represents screw height (max. 6") and height of trench. Additional vertical adjustment is available by increasing the length of screw "x".	Single Leveling Foot Assembly	**OK/F-x**
Provides a 1½" wide surface (with gasket) for cover plate joints. "x" represents trench width.	Single Cover Plate Joint Protector	**OK/DSD-x**
Separates trench duct compartments. "x" represents trench depth (see catalog number system).	Divider	**OKP/x**
Provided with 5/16 x 18 bolts on 6" or 12" centers for increased cover plate weight loading capability.	Support Stud Strip	**Consult Factory**

Tunnel Fittings

Description	No. of Compartments	"T" Unit Fitting Type	"X" Unit Fitting Type
Tunnels Factory installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be ordered separately and field installed.	2, 3, or 4	**Consult Factory** 	**Consult Factory** 

The Hubbell Wall Duct is a UL Listed metal raceway system designed for the enclosure of wiring of MRI or X-Ray equipment in medical applications.
The system provides complete lay-in wiring capability in order to accommodate the large cables and connectors used in today's installations.

Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.

Wall Duct is available in ferrous steel and non-ferrous aluminum versions.

- Lay in wiring accommodates large cables and connectors to connect equipment
- Corrosion resistant galvanneled A60 steel or non ferrous aluminum versions
- Flush (primarily wall) and Surface (primarily ceiling) mount provides flexibility to address specific equipment placement and unique room design requirements
- Hubbell Wall Duct is utilized with Hubbell Trench Duct
- Packaging and labeling by project floor and room is available

Wall Duct Range of Offering

Wall Duct Product		Depth ½" Increments	Width	Cover Style
OWA = Wall Duct	**OWI** = Internal Elbow	**A** = 2"	**6**	**S** = Surface
OWB = Adapter	**OWL** = External Elbow	**B** = 2½"	**10**	**F** = Flush
OWC = Coupling	**OWP** = Partition	**C** = 3"	**12**	
OWD = Reducer Coupling	**OWR** = Vertical Riser	**D** = 3½"	**18**	
OWE = End Closure	**OWT** = T Unit	**E** = 4"	(Other Widths Available)	
OWF = Cabinet Connector	**OWV** = Trench to Wall Duct Adapter	**J** = 6"		
OWH = Horizontal Elbow	**OWX** = X Unit	**N** = 8" (Other Depths Available)		

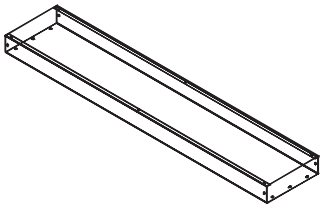
*Note: For Alumimum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

Ordering Information Notes:

1. Common use sizes are listed below.Contact factory for other configurations or see page S-2 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

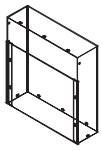
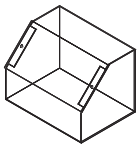
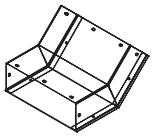
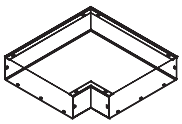
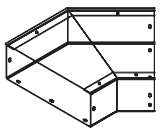
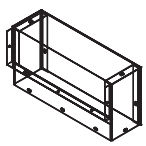
Wall Duct

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number
Wall and Ceiling Duct Manufactured in standard 60" lengths with two 30" long cover plates. Provided with one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWA/D10F** **OWA/D12F** **OWA/D18F**	10" 12" 18"	**OWA/D10S** **OWA/D12S** **OWA/D18S**



*Note: For Alumimum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

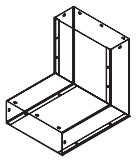
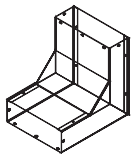
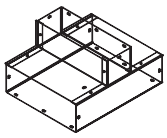
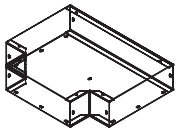
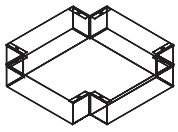
Elbow Fittings

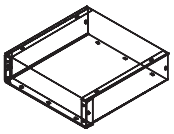
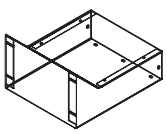
Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal Elbow Forms a sharp 90° Internal "L". Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWI/D10F** **OWI/D12F** **OWI/D18F**	10" 12" 18"	**OWI/D10S** **OWI/D12S** **OWI/D18S**	
Internal Elbow, Sweep Forms a chamfered 90° Internal "L" for increased cable bend radius. Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWSWI/D10F** **OWSWI/D12F** **OWSWI/D18F**	10" 12" 18"	**OWSWI/D10S** **OWSWI/D12S** **OWSWI/D18S**	
Internal 45° Elbow Forms a 45° Vertical "L". Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWI45/D10F** **OWI45/D12F** **OWI45/D18F**	10" 12" 18"	**OWI45/D10S** **OWI45/D12S** **OWI45/D18S**	
Horizontal Elbow Forms a 90° Horizontal "L". Provided with one cover plate, one coupling and necessary screws. Corner divider "OWCP" ordered separately.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWH/D10F** **OWH/D12F** **OWH/D18F**	10" 12" 18"	**OWH/D10S** **OWH/D12S** **OWH/D18S**	
Horizontal 45° Elbow Forms a 45° Horizontal "L". Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWH45/D10F** **OWH45/D12F** **OWH45/D18F**	10" 12" 18"	**OWH45/D10S** **OWH45/D12S** **OWH45/D18S**	
External Elbow Forms a sharp 90° External "L". Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWL/D10F** **OWL/D12F** **OWL/D18F**	10" 12" 18"	**OWL/D10S** **OWL/D12S** **OWL/D18S**	

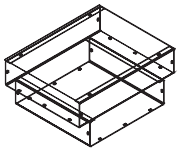
Note: Images shown are surface mount.

Ordering Information Notes:

1. Common use sizes are listed below.Contact factory for other configurations or see page S-2 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal / External Elbows	**Internal / External Elbow** Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	— — —	10" 12" 18"	**SPOWI/D10S** **SPOWI/D12S** **SPOWI/D18S**	
Internal / External Elbows	**Internal / External Elbow, Sweep** Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	— — —	10" 12" 18"	**SPOWSWI/D10S** **SPOWSWI/D12S** **SPOWSWI/D18S**	
"T" Units	**Vertical "T" Unit** Forms a 90° Vertical "T". Provided with three cover plates, two couplings and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWVT/D10F** **OWVT/D12F** **OWVT/D18F**	10" 12" 18"	**OWVT/D10S** **OWVT/D12S** **OWVT/D18S**	
"T" Units	**Horizontal "T" Unit** Forms a 90° Horizontal "T". Provided with one cover plate, one coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWT/D10F** **OWT/D12F** **OWT/D18F**	10" 12" 18"	**OWT/D10S** **OWT/D12S** **OWT/D18S**	
"X" Unit	**"X" Unit** Forms intersection of four perpendicular ducts. Provided with one cover plate, two coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWX/D10F** **OWX/D12F** **OWX/D18F**	10" 12" 18"	**OWX/D10S** **OWX/D12S** **OWX/D18S**	

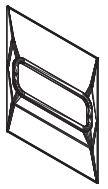
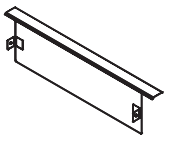
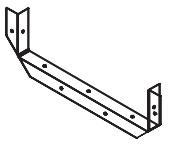
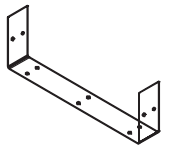
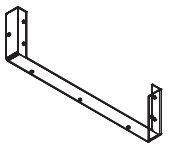
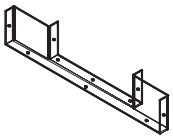
	Description	For Trench Width	For Wall Duct (Width x Depth)	Flush Catalog Number	Surface Catalog Number	
Vertical Riser Fittings	**Vertical Riser Fitting, Straight** Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12" (7" for OWR/D12x10). Standard depth — 3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	**OWR/D10F** **OWR/D12F** **OWR/D18F** **OWR/D12-10F**	**OWR/D10S** **OWR/D12S** **OWR/D18S** **OWR/D12-10S**	
Vertical Riser Fittings	**Vertical Riser Fitting, Sweep** Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12". Standard depth —3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	**OWSWR/D10F** **OWSWR/D12F** **OWSWR/D18F** **OWSWR/D12-10F**	**OWSWR/D10S** **OWSWR/D12S** **OWSWR/D18S** **OWSWR/D12-10S**	

	Description	Overall Depth	Flush Wall Duct Body Width	Surface Cover Width	Catalog Number	
Adapter Fitting	**Flush to Surface Adapter** Transitions from flush wall duct to perpendicular surface wall duct. Provided with one cover plate, two couplings and necessary screws.	3½" 3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16" 17 13/16"	10" 18" 12" 18"	**OWB/D10-10** **OWB/D12-18** **OWB/D18-12** **OWB/D18-18**	

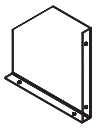
Ordering Information Notes:

1. Common use sizes are listed below.Contact factory for other configurations or see page S-2 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

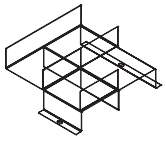
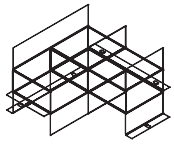
Additional Fittings

Description	Overall Depth	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Split Cover Plate Provides wire egress from raceway. Provided with assembly screws and grommet material.	— — —	12" 14" 20"	**OWSC/10F** **OWSC/12F** **OWSC/18F**	10" 12" 18"	**OWSC/10S** **OWSC/12S** **OWSC/18S**	
End Cap Closes off end of wall duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWE/D10F** **OWE/D12F** **OWE/D18F**	10" 12" 18"	**OWE/D10S** **OWE/D12S** **OWE/D18S**	
Cabinet Connector Connects wall duct to enclosures. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	— — —	10" 12" 18"	**OWF/D10** **OWF/D12** **OWF/D18**	
Coupling Joins surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	— — —	10" 12" 18"	**OWC/D10** **OWC/D12** **OWC/D18**	
Trench to Wall Duct Adapter Transitions from trench duct to a vertical run of wall duct when not using the OWR series Vertical Riser. Mounts on trench in place of cover. Provided with necessary screws.	3½" 3½" 3½"	12" 14" 20"	— — —	10" 12" 18"	**OWV/D10** **OWV/D12** **OWV/D18**	
Reducer Coupling Joins two sizes of surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½"	12" 14"	— —	18" to 10" 18" to 12"	**OWD/D (18-10)** **OWD/D (18-12)**	

Partitions Fittings

Description	For Overall Raceway Depth	Surface Cover Width	For Fitting Style: Straight	Horizontal "L"	Internal Sweep Elbow
Internal Duct Partitions Divides raceway and fittings into compartments. Screws provided.	3½" 3½" 3½"	10" 12" 18"	**OWP/D10** — —	— **OWC/PD** —	— — **OWSWP/D**
					

Tunnel Fittings

Description	No. of Compartments	"T" Unit Fitting Type	"X" Unit Fitting Type
Tunnels Field installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be factory installed.	2, 3, or 4	**Consult Factory** 	**Consult Factory** 

Section T
Wire Basket Tray System

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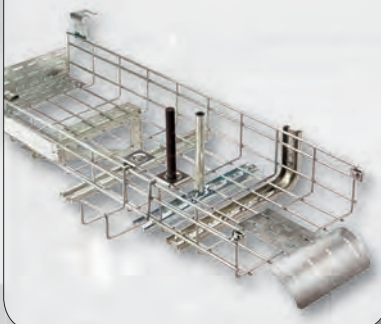
Round and Flat Style Wire Basket Tray

Accessories

Technical Support

Create a Bill of Material



Innovative, Flexible, Field-Configurable Wire Basket Solutions

Support Broad Range of Applications

Hubbell has a wire basket system to meet specific requirements. From pre-galvanized solutions for commercial controlled interior environments, to a stainless steel version for industrial applications, such as food processing, marine and highly corrosive environments. Hubbell Wire Basket Systems will help save labor and minimize waste, while reducing impact to the environment. The painted masked version reduces on-site paint removal, saving time and money. Hubbell Wire Basket Systems are available in overhead and raised floor applications. Both systems are UL classified as equipment ground conductor, provided they are installed and spliced according to our recommended instructions.

Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized, which is a significantly more environment friendly manufacturing process than a galvanizing dip. Pre-galvanizing applies a zinc galvanizing to the basket PRIOR to fabrication. Then the galvanized wire is welded and formed into the appropriate basket size. On the other hand, a post-fabrication zinc application involves chemical cleaning and stripping, and heavy metal dipping vats to apply the zinc. This produces fumes and requires proper disposal of chemicals and metals. Hubbell's pre-galvanized finish performs the same as the post-production finish while avoiding secondary chemical processing. A post-fabrication electro-zinc finish is also available, if the customer prefers.

Sustainable Approach

HSI=GREEN™

Hubbell utilizes a sustainable approach to assist in maintaining our environment. Our wire basket systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft packaging that is not bleached. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.

Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance, including developing a bill of material.

Pre-Galvanized

Wire is galvanized prior to fabrication.

Applications	Specification
• Commercial	ASTM A641
• Controlled Interiors	

Stainless Steel ✦

Type 304L and 316S

Applications	Specification
• Industrial	ASTM A580
• Marine	
• Food Processing	
• Outdoor	

Painted Finishes ✦

Powder coat; Black is available as standard.

Applications	Specification
• Data Center	N/A
• Controlled Interiors	

Electroplated Zinc ✦

Tray is galvanized after fabrication.

Applications	Specification
• Commercial	ASTM A641
• Controlled Interiors	

Note: ✦Available as a special order.

Wire Fill and Maximum Load Chart

Depth	Width	Area	Cat 5e (0.18" dia.) 50% Wire Fill	Cat 6 (0.23" dia.) 50% Wire Fill	Cat 6a (0.30" dia.) 50% Wire Fill	Max. load (Lb/ft) (Supported at 6ft spacing)
2	4	8	157	96	57	45
2	6	12	236	144	85	50
2	8	16	315	193	113	52
2	12	24	472	289	170	58
2	16	32	629	385	226	70
2	18	36	708	433	255	70
2	20	40	786	482	283	73
2	22	44	865	530	311	73
2	24	48	944	578	340	75
2	26	52	1022	626	368	73
2	28	56	1101	674	396	73
2	30	60	1180	722	425	70
2	32	64	1258	771	453	70
4	4	16	315	193	113	49
4	6	24	472	289	170	49
4	8	32	629	385	226	78
4	12	48	944	578	340	78
4	16	64	1258	771	453	108
4	18	72	1415	867	510	116
4	20	80	1573	963	566	116
4	22	88	1730	1060	623	116
4	24	96	1887	1156	679	116
4	28	112	2202	1349	793	108
6	8	48	944	578	340	116
6	12	72	1415	867	510	123
6	16	96	1887	1156	679	123
6	18	108	2123	1300	764	127
6	20	120	2359	1445	849	127
6	22	132	2595	1589	934	127
6	24	144	2831	1734	1019	150
8	8	64	1258	771	453	116
8	12	96	1887	1156	679	116
8	16	128	2516	1541	906	116
8	18	144	2831	1734	1019	116
8	20	160	3145	1926	1132	116

Sizes are UL Classified and cUL Classified
as equipment ground conductor

2" Depth	4" Depth	6" Depth	8" Depth
2 x 6	4 x 6	6 x 8	8 x 8
2 x 8	4 x 8	6 x 12	8 x 12
2 x 12	4 x 12	6 x 16	8 x 16
2 x 16	4 x 16	6 x 18	8 x 20
2 x 18	4 x 18	6 x 20	
2 x 20	4 x 20	6 x 22	
2 x 24	4 x 24	6 x 24	

Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended. Other non-UL sizes require external grounding conductor. Stainless steel is not UL Classified.

Instructions to Achieve Ground

- Use Hubbell splice kits (**HBTSK**) to achieve proper grounding at all splices, joints, and fitting.
- Grounding lugs and external ground wire are not required, provided **HBTSK** splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

Round Wire Basket Tray

Round Cross-Wire Design

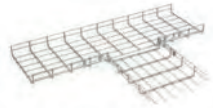
Features

- T-weld construction prevents snags
- 5mm round wire on smaller sizes
- 6mm round wire on larger sizes
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- Use factory support hardware or fabricate supports on the job site
- 2" x 4" mesh opening
- Painted tray includes factory installed masking to assure proper grounding at splices; no need to remove paint during installation

Field Configurable Fittings

90° Sweep Elbow

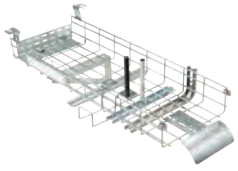
Use appropriate quantity of splice Kits

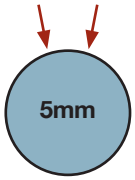


Tee Fitting

Use one HBTCS corner splice per each

Supports and Hardware

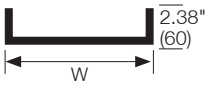
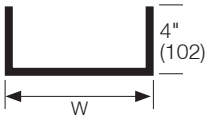
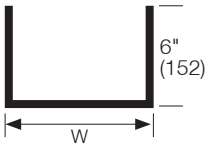
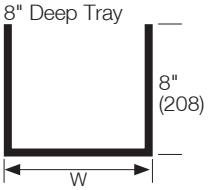




.0078125 sq. inch "Round" Wire Design

Dimensions in Inches (mm)

Round Wire Basket Tray

10 Feet per Length 118.312" (3m) 10 pc. min. order qty.	Width In (mm)	Load (Lb/ft)	Weight per Piece (Lb)	Splice Quantity 90° Sweep Elbow	Splice Quantity Straight Splice	Finish Pre-Galvanized	Finish Black Powder Coat
2" Deep Tray 	4" (102) ●	45	7	2	2	**HBT0204**	**HBT0204BK**
	6" (152) ●●	50	9	3	4	**HBT0206**	**HBT0206BK**
	8" (203) ●●	52	10.5	4	4	**HBT0208**	**HBT0208BK**
	12" (305) ●●	58	12	6	4	**HBT0212**	**HBT0212BK**
	16" (406) ●	70	15	7	4	**HBT0216**	**HBT0216BK**
	18" (457) ●	70	23	9	4	**HBT0218**	**HBT0218BK**
	20" (508) ●	73	25	9	5	**HBT0220**	**HBT0220BK**
	22" (559)	73	27	12	5	**HBT0222**	**HBT0222BK**
	24" (610) ●	75	31	12	5	**HBT0224**	**HBT0224BK**
	26" (660)	73	33	13	6	**HBT0226**	**HBT0226BK**
	28" (711)	73	35	14	6	**HBT0228**	**HBT0228BK**
	30" (762)	70	38	15	6	**HBT0230**	**HBT0230BK**
	32" (813)	70	39	16	6	**HBT0232**	**HBT0232BK**
4" Deep Tray 	4" (102) ●	49	12	2	4	**HBT0404**	**HBT0404BK**
	6" (152) ●●	49	13	3	5	**HBT0406**	**HBT0406BK**
	8" (203) ●●	78	15	4	6	**HBT0408**	**HBT0408BK**
	12" (305) ●	78	23	6	6	**HBT0412**	**HBT0412BK**
	16" (406) ●	108	27	7	7	**HBT0416**	**HBT0416BK**
	18" (457) ●	116	29	9	7	**HBT0418**	**HBT0418BK**
	20" (508) ●	116	31	9	7	**HBT0420**	**HBT0420BK**
	22" (559)	116	33	12	8	**HBT0422**	**HBT0422BK**
	24" (610) ●	116	35	12	8	**HBT0424**	**HBT0424BK**
	28" (711)	108	39	14	9	**HBT0428**	**HBT0428BK**
6" Deep Tray 	8" (203) ●	116	23	4	6	**HBT0608**	**HBT0608BK**
	12" (305) ●	123	27	6	6	**HBT0612**	**HBT0612BK**
	16" (406) ●	123	31	7	7	**HBT0616**	**HBT0616BK**
	18" (457) ●	127	33	9	7	**HBT0618**	**HBT0618BK**
	20" (508) ●	127	35	9	7	**HBT0620**	**HBT0620BK**
	22" (559) ●	127	37	12	8	**HBT0622**	**HBT0622BK**
	24" (610) ●	150	39	12	8	**HBT0624**	**HBT0624BK**
8" Deep Tray 	8" (203) ●	116	27	4	8	**HBT0808**	**HBT0808BK**
	12" (305) ●	116	31	6	8	**HBT0812**	**HBT0812BK**
	16" (406) ●	116	35	7	9	**HBT0816**	**HBT0816BK**
	18" (457) ●	116	37	9	9	**HBT0818**	**HBT0818BK**
	20" (508) ●	116	39	9	9	**HBT0820**	**HBT0820BK**

Note: ● UL Classified and cUL Classified as equipment ground conductor.
● 5mm diameter round wire. (All others are 6mm diameter round wire.)
All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).

Flat Style Wire Basket Tray

Flat Cross-Wire Design

Features

- Flat shaped cross-wires provide significantly more surface area to support weight of cables
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel
- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray

Flat Style Wire Basket Tray

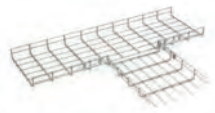
10 Feet per Length 118.312" (3m) 10 pc. min. order qty.	Width In (mm)	Load (Lb/ft)	Weight per Piece (Lb)	Splice Quantity		Finish	
				90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204S**	**HBT0204SBK**
	6" (152) ●	50	9	3	4	**HBT0206S**	**HBT0206SBK**
	8" (203) ●	52	10.5	4	4	**HBT0208S**	**HBT0208SBK**
	12" (305) ●	58	12	6	4	**HBT0212S**	**HBT0212SBK**
2.38" (60)	16" (406) ●	70	15	7	4	**HBT0216S**	**HBT0216SBK**
	18" (457) ●	70	23	9	4	**HBT0218S**	**HBT0218SBK**
W	20" (508) ●	73	25	9	5	**HBT0220S**	**HBT0220SBK**
	22" (559)	73	27	12	5	**HBT0222S**	**HBT0222SBK**
	24" (610) ●	75	31	12	5	**HBT0224S**	**HBT0224SBK**
	26" (660)	73	33	13	6	**HBT0226S**	**HBT0226SBK**
	28" (711)	73	35	14	6	**HBT0228S**	**HBT0228SBK**
	30" (762)	70	38	15	6	**HBT0230S**	**HBT0230SBK**
	32" (813)	70	39	16	6	**HBT0232S**	**HBT0232SBK**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404S**	**HBT0404SBK**
	6" (152) ●	49	13	3	5	**HBT0406S**	**HBT0406SBK**
	8" (203) ●	78	15	4	6	**HBT0408S**	**HBT0408SBK**
4" (102)	12" (305) ●	78	23	6	6	**HBT0412S**	**HBT0412SBK**
	16" (406) ●	108	27	7	7	**HBT0416S**	**HBT0416SBK**
W	18" (457) ●	116	29	9	7	**HBT0418S**	**HBT0418SBK**
	20" (508) ●	116	31	9	7	**HBT0420S**	**HBT0420SBK**
	22" (559)	116	33	12	8	**HBT0422S**	**HBT0422SBK**
	24" (610) ●	116	35	12	8	**HBT0424S**	**HBT0424SBK**
	28" (711)	108	39	14	9	**HBT0428S**	**HBT0428SBK**
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608S**	**HBT0608SBK**
	12" (305) ●	123	27	6	6	**HBT0612S**	**HBT0612SBK**
6" (152)	16" (406) ●	123	31	7	7	**HBT0616S**	**HBT0616SBK**
	18" (457) ●	127	33	9	7	**HBT0618S**	**HBT0618SBK**
W	20" (508) ●	127	35	9	7	**HBT0620S**	**HBT0620SBK**
	22" (559) ●	127	37	12	8	**HBT0622S**	**HBT0622SBK**
	24" (610) ●	150	39	12	8	**HBT0624S**	**HBT0624SBK**
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808S**	**HBT0808SBK**
	12" (305) ●	116	31	6	8	**HBT0812S**	**HBT0812SBK**
8" (208)	16" (406) ●	116	35	7	9	**HBT0816S**	**HBT0816SBK**
	18" (457) ●	116	37	9	9	**HBT0818S**	**HBT0818SBK**
W	20" (508) ●	116	39	9	9	**HBT0820S**	**HBT0820SBK**

Note: ●UL Classified and cUL Classified as equipment ground conductor.
All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).

Field Configurable Fittings

90° Sweep Elbow

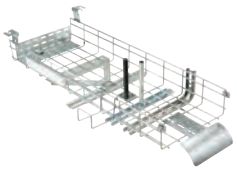
Use appropriate quantity of splice Kits

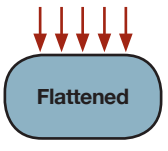


Tee Fitting

Use one HBTCS corner splice per each

Supports and Hardware





.03125 sq. inch "Flat" Wire Design

Dimensions in Inches (mm)

Stainless Steel Wire Basket Tray

Round Cross-Wire Design

Features

- Type 304L and 316S Stainless Steel
- Meets ASTM A580 specifications
- Stainless splice kits and ceiling supports are available

Applications

- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine

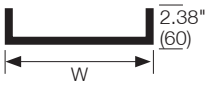
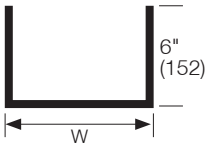
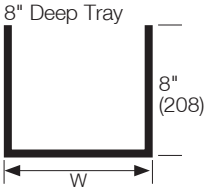
Stainless Steel Accessories Available

HBTSKSS
Splice Kits

HBTCLGyySS
Ceiling Support
(**yy** = width of tray)

Use standard galvanized or painted supports and hardware.

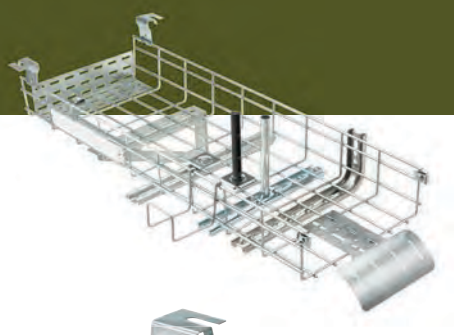
Stainless Steel Wire Basket Tray

10 Feet per Length 118.312" (3m) 10 pc. min. order qty.	Width In (mm)	Load (Lb/ft)	Weight per Piece (Lb)	Splice Quantity 90° Sweep Elbow	Splice Quantity Straight Splice	Round Type 304L	Round Type 316S
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204S04**	**HBT0204S16**
	6" (152)	50	9	3	4	**HBT0206S04**	**HBT0206S16**
	8" (203)	52	10.5	4	4	**HBT0208S04**	**HBT0208S16**
	12" (305)	58	12	6	4	**HBT0212S04**	**HBT0212S16**
	16" (406)	70	15	7	4	**HBT0216S04**	**HBT0216S16**
	18" (457)	70	23	9	4	**HBT0218S04**	**HBT0218S16**
	20" (508)	73	25	9	5	**HBT0220S04**	**HBT0220S16**
	22" (559)	73	27	12	5	**HBT0222S04**	**HBT0222S16**
	24" (610)	75	31	12	5	**HBT0224S04**	**HBT0224S16**
	26" (660)	73	33	13	6	**HBT0226S04**	**HBT0226S16**
	28" (711)	73	35	14	6	**HBT0228S04**	**HBT0228S16**
	30" (762)	70	38	15	6	**HBT0230S04**	**HBT0230S16**
	32" (813)	70	39	16	6	**HBT0232S04**	**HBT0232S16**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404S04**	**HBT0404S16**
	6" (152)	49	13	3	5	**HBT0406S04**	**HBT0406S16**
	8" (203)	78	15	4	6	**HBT0408S04**	**HBT0408S16**
	12" (305)	78	23	6	6	**HBT0412S04**	**HBT0412S16**
	16" (406)	108	27	7	7	**HBT0416S04**	**HBT0416S16**
	18" (457)	116	29	9	7	**HBT0418S04**	**HBT0418S16**
	20" (508)	116	31	9	7	**HBT0420S04**	**HBT0420S16**
	22" (559)	116	33	12	8	**HBT0422S04**	**HBT0422S16**
	24" (610)	116	35	12	8	**HBT0424S04**	**HBT0424S16**
	28" (711)	108	39	14	9	**HBT0428S04**	**HBT0428S16**
6" Deep Tray	8" (203)	116	23	4	6	**HBT0608S04**	**HBT0608S16**
	12" (305)	123	27	6	6	**HBT0612S04**	**HBT0612S16**
	16" (406)	123	31	7	7	**HBT0616S04**	**HBT0616S16**
	18" (457)	127	33	9	7	**HBT0618S04**	**HBT0618S16**
	20" (508)	127	35	9	7	**HBT0620S04**	**HBT0620S16**
	22" (559)	127	37	12	8	**HBT0622S04**	**HBT0622S16**
	24" (610)	150	39	12	8	**HBT0624S04**	**HBT0624S16**
8" Deep Tray	8" (203)	116	27	4	8	**HBT0808S04**	**HBT0808S16**
	12" (305)	116	31	6	8	**HBT0812S04**	**HBT0812S16**
	16" (406)	116	35	7	9	**HBT0816S04**	**HBT0816S16**
	18" (457)	116	37	9	9	**HBT0818S04**	**HBT0818S16**
	20" (508)	116	39	9	9	**HBT0820S04**	**HBT0820S16**

Note: All dimensions are +/- 0.25".

Dimensions in Inches (mm)

Accessories for Wire Basket Tray



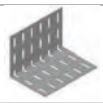
Supports*

Width In (mm)	Center Support			Ceiling Support			Trapeze Support		
	Qty per Box	Weight (Lb/each)	Catalog Number	Qty per Box	Weight (Lb/each)	Catalog Number	Qty per Box	Weight (Lb)	Catalog Number
4" (102)	1	1.6	**HBTCTRS4**	–	–	**–**	50	9.0/box	**HBTTS** Attaches to the side of the tray; for tray sizes 16" wide and smaller; use in pairs
6" (152)	1	1.8	**HBTCTRS6**	–	–	**–**			
8" (203)	1	2	**HBTCTRS8**	–	–	**–**			
12" (305)	1	2.7	**HBTCTRS12**	1	1.1	**HBTCLGS12**			
16" (406)	1	3.3	**HBTCTRS16**	1	1.5	**HBTCLGS16**			
18" (457)	1	3.4	**HBTCTRS18**	1	1.6	**HBTCLGS18**			
20" (508)	1	3.8	**HBTCTRS20**	1	1.9	**HBTCLGS20**			
24" (610)	1	4.4	**HBTCTRS24**	1	1.9	**HBTCLGS24**			

Supports*

Width In (mm)	L-Bracket			C-Bracket			Shelf Support		
	Qty per Box	Weight (Lb/each)	Catalog Number	Qty per Box	Weight (Lb/each)	Catalog Number	Qty per Box	Weight (Lb/each)	Catalog Number
4" (102)	1	0.7	**HBTLB4**	1	1.2	**HBTCB4**	1	0.4	**HBTSS4**
6" (152)	1	0.8	**HBTLB6**	–	–	**–**	1	0.5	**HBTSS6**
8" (203)	1	0.9	**HBTLB8**	1	1.5	**HBTCB8**	1	0.6	**HBTSS8**
12" (305)	1	1.4	**HBTLB12**	1	2.0	**HBTCB12**	1	1.2	**HBTSS12**
16" (406)	1	1.5	**HBTLB16**	–	–	**–**	1	1.7	**HBTSS16**
18" (457)	1	1.7	**HBTLB18**	1	2.7	**HBTCB18**	1	1.9	**HBTSS18**
20" (508)	1	2.1	**HBTLB20**	–	–	**–**	1	2.6	**HBTSS20**
24" (610)	1	2.3	**HBTLB24**	–	–	**–**	1	3.2	**HBTSS24**

Accessories*

Description	Tray Width In (mm)	Qty. per Box	Weight (Lb/each)	Catalog Number	
Radius Down Increases cable protection and cable bend control	4" (102) 6" (152) 12" (305)	1 1 1	2.5 3.75 7.5	**HBTRD4** **HBTRD6** **HBTRD12**	
Vertical Down Protects cables when dropping from the end or side of tray	7¾" (102)	1	1.5	**HBTVD**	
Label Clip Attachment for all sizes of tray		1	0.1	**HBTLC**	
Cable Guide Maintains cable bend radius and acts as a divider for straight sections and fittings		1	1.0	**HBTCG**	
Electrical Box Bracket Attaches electrical box to side of tray		1	0.75	**HBTEB**	
Sidecar Attaches to outside of tray, provides additional cable support 2" deep		1	0.5	**HBTSC**	

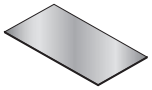
*Note: *Catalog numbers shown are for pre-galvanized accessories. Add "**BK**" to the end of the part number for Black Finish.*

Accessories for Wire Basket Tray

Galvanized Steel Inserts*

Provides a solid bottom for tray; 5 feet length per piece

Width In (mm)	Length In (mm)	Weight (Lb/each)	Catalog Number
4" (102)	59" (1500)	3.5	**HBTINSM04**
6" (152)	59" (1500)	5.0	**HBTINSM06**
8" (203)	59" (1500)	7.0	**HBTINSM08**
12" (305)	59" (1500)	11.0	**HBTINSM12**
16" (406)	59" (1500)	13.5	**HBTINSM16**
18" (457)	59" (1500)	16.5	**HBTINSM18**
20" (508)	59" (1500)	18.0	**HBTINSM20**
24" (610)	59" (1500)	20.0	**HBTINSM24**



Termination Support*

Secures end of tray to wall and can serve as blank end fitting; 1 piece per box

Tray Width In (mm)	Weight (Lb/each)	Catalog Number
6" (152)	0.75	**HBTTS6**
8" (203)	1.0	**HBTTS8**
12" (305)	1.2	**HBTTS12**
16" (406)	1.4	**HBTTS16**
18" (457)	1.6	**HBTTS18**
20" (508)	1.75	**HBTTS20**
24" (610)	2.0	**HBTTS24**

Galvanized Steel Covers*

5 feet length per piece; 1 piece per box

Width In (mm)	Length In (mm)	Weight (Lb/each)	Catalog Number
4" (102)	59" (1500)	3.0	**HBTCVR4**
6" (152)	59" (1500)	3.5	**HBTCVR6**
8" (203)	59" (1500)	4.5	**HBTCVR8**
12" (305)	59" (1500)	6.0	**HBTCVR12**
16" (406)	59" (1500)	8.0	**HBTCVR16**
18" (457)	59" (1500)	8.5	**HBTCVR18**
20" (508)	59" (1500)	9.5	**HBTCVR20**
24" (610)	59" (1500)	11.0	**HBTCVR24**

Galvanized Steel Dividers*

Bolt and nut to secure to support bracket (sold separately); 5 feet length per piece; 1 piece per box

For use with tray	Length In (mm)	Weight (Lb/each)	Catalog Number
2" deep	60" (1524)	2.0	**HBTDIV2**
4" deep	60" (1524)	5.0	**HBTDIV4**
6" deep	60" (1524)	7.5	**HBTDIV6**
8" deep	60" (1524)	10.0	**HBTDIV8**

Polymer Inserts, Black

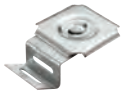
Provides a solid bottom for tray; 10 feet length per piece; 1 piece per box

Width In (mm)	Length In (mm)	Weight (Lb/each)	Catalog Number
4" (102)	118" (3000)	0.5	**HBTINSNM04**
6" (152)	118" (3000)	0.65	**HBTINSNM06**
8" (203)	118" (3000)	0.75	**HBTINSNM08**
12" (305)	118" (3000)	1.0	**HBTINSNM12**
16" (406)	118" (3000)	1.25	**HBTINSNM16**
18" (457)	118" (3000)	1.5	**HBTINSNM18**
20" (508)	118" (3000)	1.75	**HBTINSNM20**
24" (610)	118" (3000)	2.25	**HBTINSNM24**

Attachments

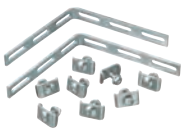
1 piece per box

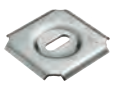
Description	Weight (Lb)	Catalog Number
Fitting Attachment, 2" Fills the gap in 2" tray when creating fittings	1.0/each	**HBTFA2**
Fitting Attachment, 4" to 6" Fill the gap in 4" or 6" tray when creating fittings	1.0/each	**HBTFA46**
Rack Attachment Attaches tray directly to the top of a standard rack	1.0/each	**HBTRA**
Conduit Attachment Connects conduit to tray (½", ¾" and 1" conduit)	1.0/each	**HBTCA3**



Splice Hardware*

Description	Weight (Lb)	Catalog Number
Splice Kit 3 piece staked bolt/washer and nut combination; Splices straight sections and field formed fittings; **50 pieces per box**	5.0/box	**HBTSK**
Bar Splice Slotted bar 11-15/16" long; Splices straight sections and fittings; Bend to form tray reducers; Adds rigidity to tray splices; **50 pieces per box**	14.0/box	**HBTBS**
Corner Splice (2) 90° splice bars and (8) sets of the splice kit; Splices fittings; Use one per each Tee Fitting; Use two per each Cross Fitting	1.0/each	**HBTCS**
Washer Support Splices straight sections and fittings and can also be used as a hold down method for tray to strut (Nut and bolt provided separately); **50 pieces per box**	6.0/box	**HBTWS**





*Note: *Catalog numbers shown are for pre-galvanized accessories. Add "**BK**" to the end of the part number for Black Finish.*

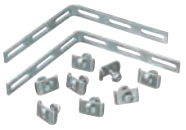
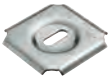
Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool
- Cuts can be made on any finish, width or depth basket tray
- Cut as many segments required for sweep elbows (see Splice Quantity column on product pages)
- Remove any sharp edges to eliminate possible damage to cables

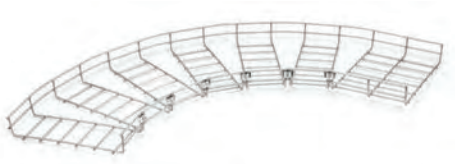
Cutting Tool

Description	Qty. per Box	Weight (Lb/each)	Catalog Number
Manual offset angled cutting tool, 24" leveraged handle	1	6.0	**HBTCUTTOOL**

Splice Hardware*

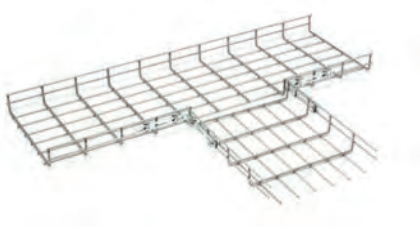
Description	Weight (Lb)	Catalog Number	
Splice Kit 3 piece staked bolt/washer and nut combination; Splices straight sections and field formed fittings; **50 pieces per box**	5.0/box	**HBTSK**	
Bar Splice Slotted bar 11-15/16" long; Splices straight sections and fittings; Bend to form tray reducers; Adds rigidity to tray splices; **50 pieces per box**	14.0/box	**HBTBS**	
Corner Splice (2) 90° splice bars and (8) sets of the splice kit; Splices fittings; Use one per each Tee Fitting; Use two per each Cross Fitting	1.0/each	**HBTCS**	
Washer Support Splices straight sections and fittings and can also be used as a hold down method for tray to strut (Nut and bolt provided separately); **50 pieces per box**	6.0/box	**HBTWS**	
Grounding Kit Provides additional supplemental grounding for basket tray splices. May be specified in addition to the standard method of splicing basket tray using HBTSK splice kits. Kit includes five 9" #6 AWG copper leads and ten split bolts.	1.5/each	**HBTGRDKIT**	

How to Form a 90º Flat Sweep Elbow



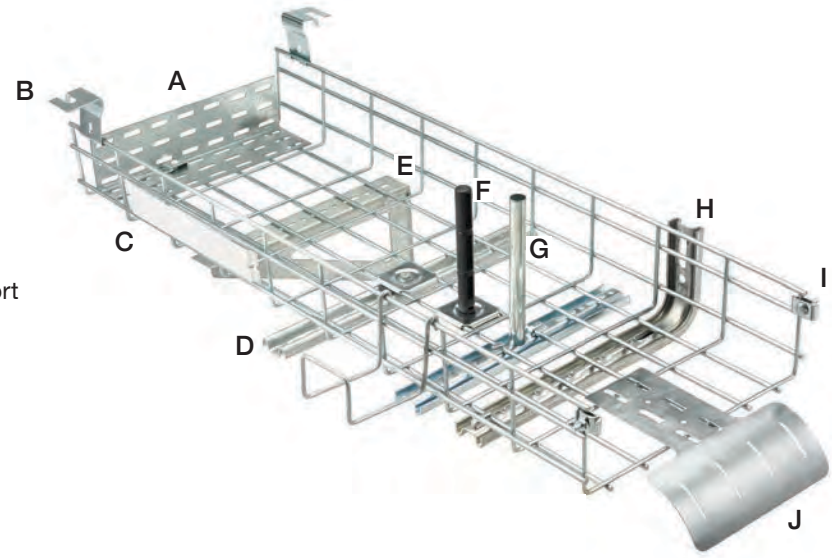
- Determine which wires must be cut for the type of fitting or redirection required. This will usually be the side and bottom wires of every other mesh section.
- Cut the top side wire first.
- Cut the remaining side wires.
- Turn the tray over and cut the bottom wires.
- This creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection, as well as electrical grounding continuity.

How to Form a Tee Fitting



- Determine the location of the horizontal “tee” fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt, and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the tee using appropriate support method.

Wire Basket Tray: Create a Bill of Material



- A Termination Support
- B Trapeze Clips
- C Label Clip
- D Ceiling Support
- E Shelf Support
- F Cable Guide
- G Center Support
- H L-Bracket
- I Splice Kit
- J Vertical Down

Job Name: _____

Location: _____

Date: _____

I. Tray Size	Fill in info
Depth (inches):	
Width (inches):	
Total linear feet:	
Total feet/10 = pieces:	

II. Finish	Check One
Pre-galvanized:	☐
Painted black:	☐
Stainless steel:	☐
Electro-zinc plated:	☐
Custom color paint:	☐

III. Fittings	Qty
90° sweep elbow:	
Tee fitting:	
Cross-X fitting:	
45° sweep elbow:	
Reducer:	

IV. Splices	Qty*
Splice kits:	
Corner splice:	
Washer support:	
Bar splice:	

V. Supports (6ft spacing)	Qty
Ceiling:	
Center:	
Trapeze clips (use in pairs):	
Wall bracket:	
Termination support:	
Field fabricated from strut:	

VI. Cable management	Qty
Vertical down:	
Radius down:	
Cable guide:	
Side car:	

VII. Attachment hardware	Qty
Termination support or blank end	
Electrical box bracket:	
Fitting attachment:	
Rack attachment:	
Conduit attachment:	

VIII. Tray accessories	Qty
Steel divider:	
Steel cover:	
Steel bottom insert:	
Polymer bottom insert:	
Label clip:	

*Note: *See product selection tables for quantities of splices. These are dependent upon tray size. Additional splices required for fittings.*

Section U
Hose and Cable Protection Systems

Index

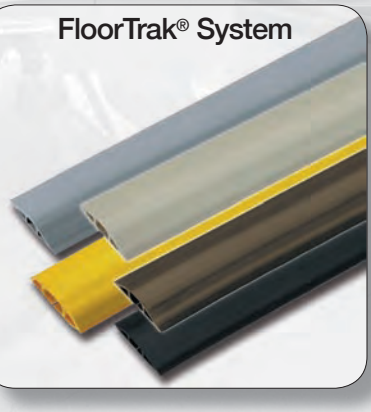
Product	Page
Features and Benefits	U-2
AccessTrak® System	U-3
TrukTrak® System	U-4
TredTrak® System	U-5
FloorTrak® System	U-6

Features and Benefits

AccessTrak® System

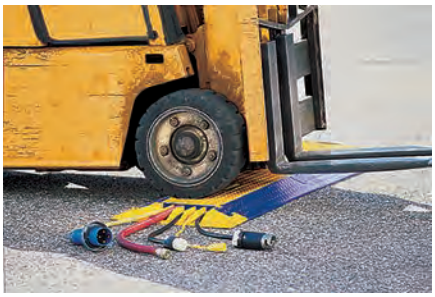
TrukTrak® and TredTrak® Systems

FloorTrak® System

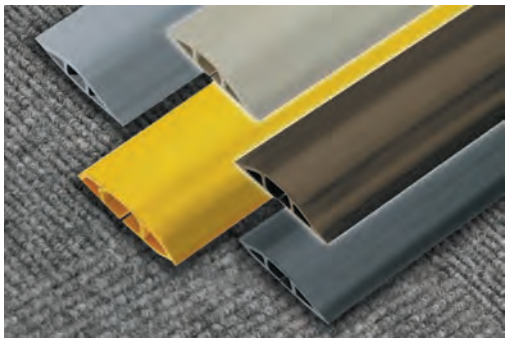


The AccessTrak® ramping system is a modular cable protection product that enables users to be ADAAG (American Disabilities Act Accessibility Guidelines) compliant and limits the exposure of cables and hoses to people and light vehicles passing over those cables and hoses. AccessTrak is an expandable five channel system that will protect cable and hose diameters up to 1.31 inches (33.0mm). For applications requiring more than five channels, AccessTrak can be expanded by width. In addition, AccessTrak is expandable by length to protect cables and hoses of any length. The AccessTrak ramping system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance.

Hubbell TrukTrak® and TredTrak® non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications.



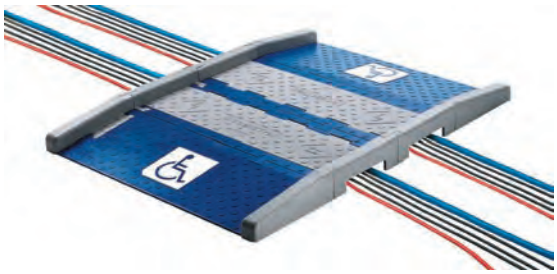
It can also be interconnected to protect cables and cords of any length. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.



FloorTrak® is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

NEC® is a registered trademark of the The National Electrical Code.

AccessTrak Expanded by Length



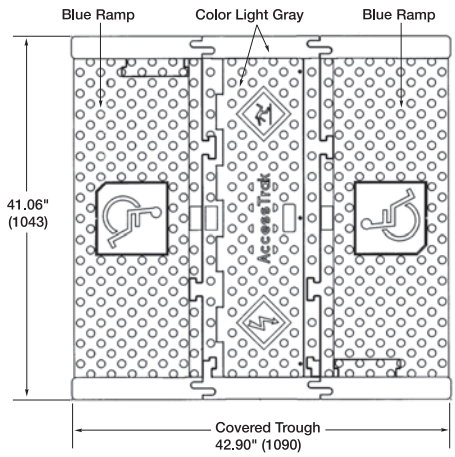
AccessTrak Expanded by Width

AccessTrak® System

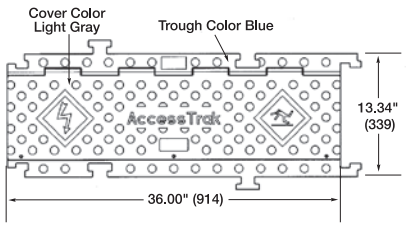
Description	Length in. (mm)	Height in. (mm)	Width in. (mm)	Channel Width in. (mm)	Channel Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel AccessTrak® kit*, blue and gray.	41.06" (1043.0)	4.00" (102.0)	42.90" (1090.0)	1.34" (34.0)	1.31" (33.0)	73.65 (33.41)	**HBLAT5KITA**
5 Channel AccessTrak® trough, blue and gray.	36.00" (914.0)	1.94" (49.0)	13.34" (339.0)	1.34" (34.0)	1.31" (33.0)	22.35 (10.14)	**HBLAT5A**
AccessTrak® trough end rails (set), gray.	2.50" (63.0)	4.00" (102.0)	13.28" (337.0)	—	—	6.95 (3.15)	**HBLAT5ERA**
AccessTrak® ramps (set), blue.	36.00" (914.0)	1.94" (49.0)	14.50" (368.0)	—	—	29.90 (13.56)	**HBLAT5RAMPA**
AccessTrak® ramp end rails (set), gray.	2.50" (63.5)	4.00" (102.0)	14.75" (375.0)	—	—	8.05 (3.65)	**HBLAT5RAMPERA**

*Note: *Consists of (1) HBLAT5A; (1 set) HBLAT5ERA; (1 set) HBLAT5RAMPA; (2 sets) HBLAT5RAMPERA.*

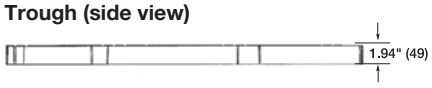
Assembled Kit
Accessibility label, blue symbol, white background



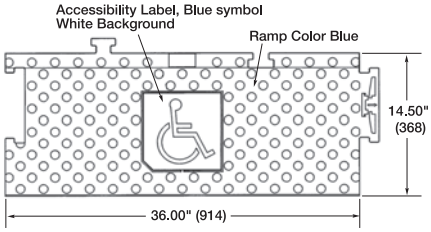
Trough



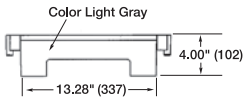
Trough (side view)



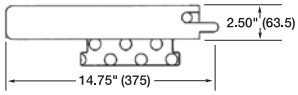
Ramp (top view)



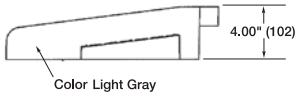
Trough End Rails (side view)



Ramp End Rails (top view)



Ramp End Rails (side view)



Ramp (side view)

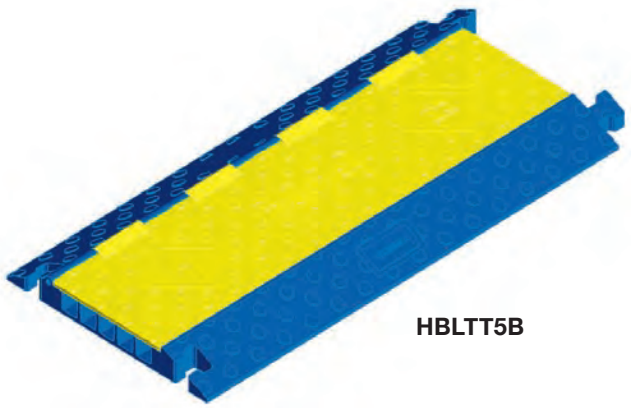
Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols ADA Symbols	Per ANSI Z535.3-1991. Per ADAAG "Symbols of Accessibility"

Load Capacity

Test Fixture Footprint Inches (mm)	Measured Load lbs. (N) +/- 20%	
	70°F (21°C)	120°F (49°C)
7" x 7" (178 x 178)	10,000 (44,480)	8,000 (35,584)

Dimensions in Inches (mm)

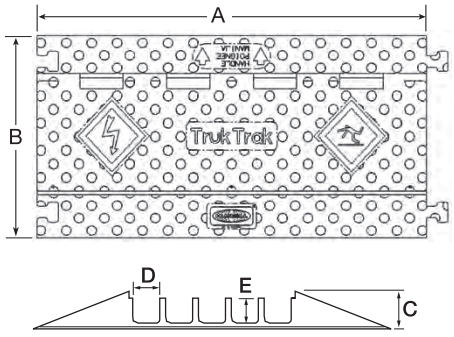


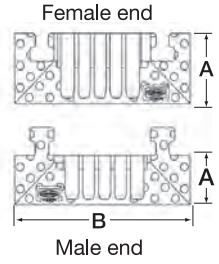
HBLTT5B

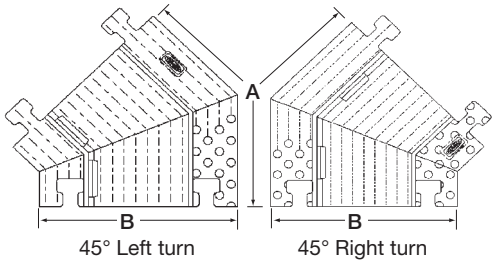
HBLTT545LB

HBLTT545RB

TrukTrak® System	A	B	C	D	E		
				Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	30.60 (13.9)	**HBLTT5B**
5 Channel TrukTrak® end caps (pair only), yellow.	7.50" (190) 5.25" (133)	20" (508) 20" (508)	2.31" (58.7) 2.31" (58.7)	1.25" (31.8) 1.25" (31.8)	1.25" (31.8) 1.25" (31.8)	8.55 (3.9) 8.55 (3.9)	**HBLTT5ECB** (Female end) (Male end)
5 Channel 45° right turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	15.35 (7.0)	**HBLTT545RB**
5 Channel 45° left turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	14.45 (6.6)	**HBLTT545LB**
3 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	3.05" (77.5)	2.25" (57.2)	2.25" (57.2)	30.85 (14.0)	**HBLTT3B**
3 Channel TrukTrak® end caps (pair only), yellow.	8.25" (209) 6.38" (162)	20" (508) 20" (508)	3.05" (77.5) 3.05" (77.5)	2.25" (57.2) 2.25" (57.2)	2.25" (57.2) 2.25" (57.2)	10.25 (4.6) 10.25 (4.6)	**HBLTT3ECB** (Female end) (Male end)
2 Channel TrukTrak®, blue and yellow.	36.0" (914)	22" (559)	4.13" (104.9)	3.25" (82.6)	3.25" (82.6)	41.00 (18.6)	**HBLTT2B**







Features

Features	Benefits
High density polyurethane construction.	Supports heavy loads and is weather resistant.
Modular interlocking design.	Easy installation, breakdown and storage.
Safety surface pattern.	Reduces slipping and skidding.
Safety blue and yellow colors.	High visibility.

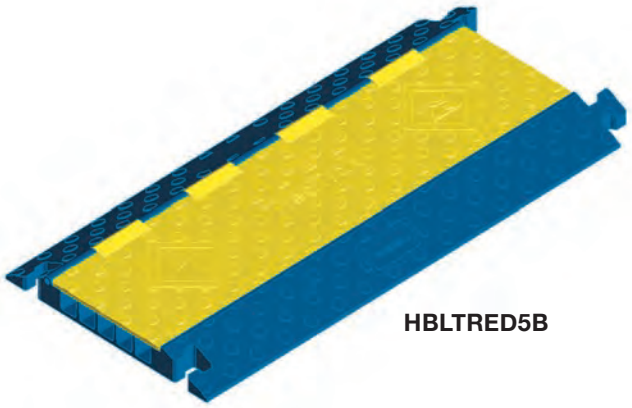
Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

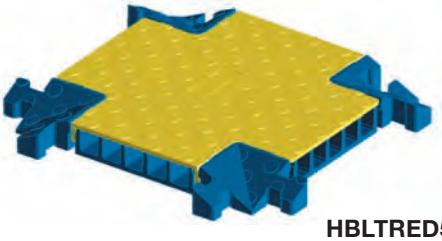
No. of Channels	Test Fixture Footprint Inches (mm)	Measured Load lbs. (N) +/- 20%	
		70°F (21°C)	120°F (49°C)
5	6.9" x 17.3" (175 X 439)	20,150 (89,627)	9,200 (40,921)
3	6.9" x 17.3" (175 X 439)	14,210 (63,206)	4,653 (20,696)
2	6.9" x 17.3" (175 X 439)	10,880 (48,394)	2,095 (9,318)

Dimensions in Inches (mm)



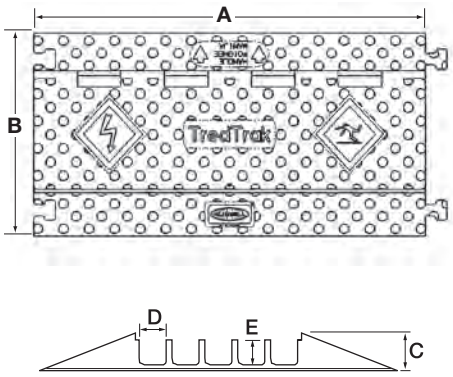
HBLTRED5B

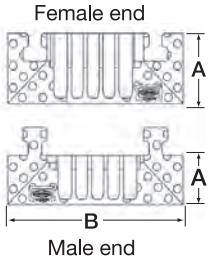
HBLTRED5YB

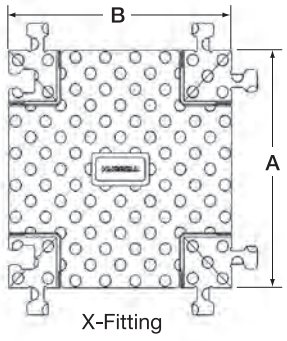


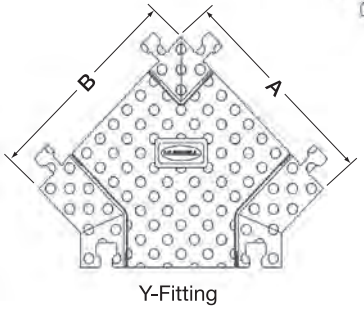
HBLTRED5XB

TredTrak® System	A	B	C	D	E		
				Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TredTrak®, blue and yellow.	36.0" (914)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	21.15 (9.6)	**HBLTRED5B**
5 Channel TredTrak® end caps (pair only), yellow.	5.5" (139) 5.5" (139)	17.5" (445) 17.5" (445)	1.95" (50) 1.95" (50)	1.30" (33) 1.30" (33)	1.30" (33) 1.30" (33)	6.40 (2.9) 6.40 (2.9)	**HBLTRED5ECB** (Female end) (Male end)
5 Channel TredTrak® female end caps (2 females), yellow.	5.5" (139)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	**HBLTRED5ECFB**
5 Channel "X" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	14.25 (6.5)	**HBLTRED5XB**
5 Channel "Y" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	13.95 (6.3)	**HBLTRED5YB**









Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

Product	Test Fixture Footprint Inches (mm)	Measured Load lbs. (N) +/- 20% 70°F (21°C)	120°F (49°C)
TredTrak	6.9" x 17.3" (175 X 439)	10,500 (46,700)	6,500 (28,900)
"X" Fitting	6.9" x 17.3" (175 X 439)	2,900 (12,900)	2,300 (10,230)
"Y" Fitting	6.9" x 17.3" (175 X 439)	2,900 (12,900)	2,300 (10,230)

Dimensions in Inches (mm)

FloorTrak® 2

Color	Length Feet	(meters)	Catalog Number
Black	10.0'	(3.05)	**FT2BK10**
Brown	10.0'	(3.05)	**FT2BR10**
Beige	10.0'	(3.05)	**FT2BG10**
Gray	10.0'	(3.05)	**FT2GY10**
Yellow	10.0'	(3.05)	**FT2Y10**

FloorTrak® 3

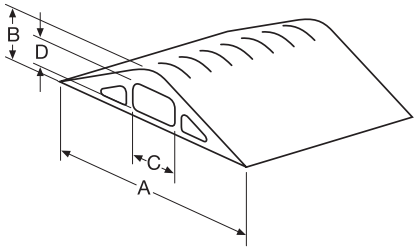
Color	Length Feet	(meters)	Catalog Number
Black	5.0'	(1.52)	**FT3BK5**
Black	25.0'	(7.62)	**FT3BK25**
Brown	5.0'	(1.52)	**FT3BR5**
Brown	25.0'	(7.62)	**FT3BR25**
Beige	5.0'	(1.52)	**FT3BG5**
Beige	25.0'	(7.62)	**FT3BG25**
Gray	5.0'	(1.52)	**FT3GY5**
Gray	25.0'	(7.62)	**FT3GY25**
Yellow	5.0'	(1.52)	**FT3Y5**
Yellow	25.0'	(7.62)	**FT3Y25**

FloorTrak® 4

Color	Length Feet	(meters)	Catalog Number
Black	5.0'	(1.52)	**FT4BK5**
Black	25.0'	(7.62)	**FT4BK25**
Gray	25.0'	(7.62)	**FT4GY25**
Yellow	5.0'	(1.52)	**FT4Y5**
Yellow	25.0'	(7.62)	**FT4Y25**

FloorTrak® 10 (Heavy Duty)

Color	Length Feet	(meters)	Catalog Number
Black	3.0'	(.914)	**FT10BK3**
Black	5.0'	(1.52)	**FT10BK5**
Yellow	3.0'	(.914)	**FT10Y3**
Yellow	5.0'	(1.52)	**FT10Y5**



Dimensions

FloorTrak®	FT2 inches (mm)	FT3 inches (mm)	FT4 inches (mm)	FT10 (Heavy Duty) inches (mm)
Width (A)	2.75" (69.9)	3.00" (76.2)	3.25" (82.6)	5.6" (142.24)
Height (B)	.53" (13.5)	.75" (19.1)	1.10" (27.9)	1.7" (43.18)
Center Hole (CxD)	.60" x .31" (15.2) x (7.9)	.75" x .50" (19.1) x (12.7)	1.21" x .75" (30.7) x (19.1)	1.81" x 1.25" (45.98 x 31.75)

Accessories

Description	Catalog Number
1" Wide, 75' Roll Double-Sided Adhesive Tape.	**FTT1**
2" Wide, 75' Roll Double-Sided Adhesive Tape.	**FTT2**

Specifications

Material	Rigid PVC.
Operating Temperature	0°F to +120°F (-18°C to +49°C).

Dimensions in Inches (mm)

Section V

Kellems® Wire Management Products

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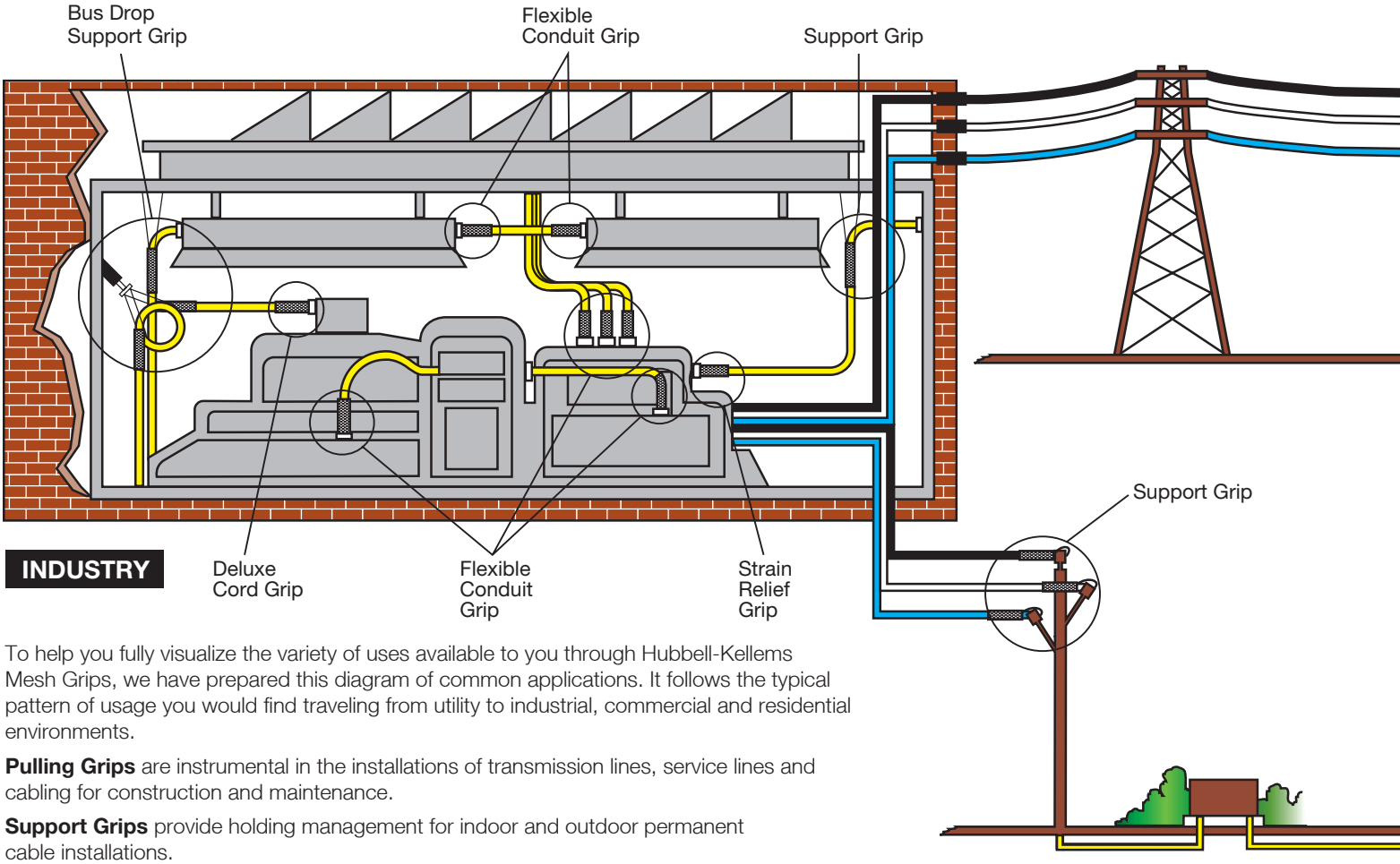
Kellems® Wire Mesh Grips Diagram



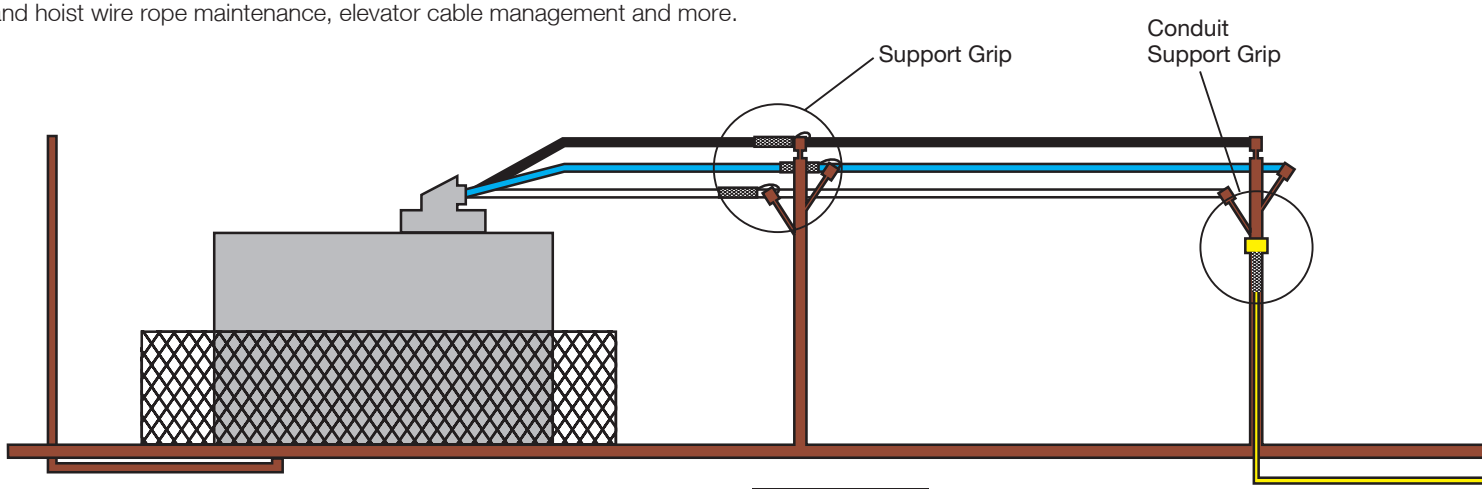
To help you fully visualize the variety of uses available to you through Hubbell-Kellems Mesh Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial and residential environments.

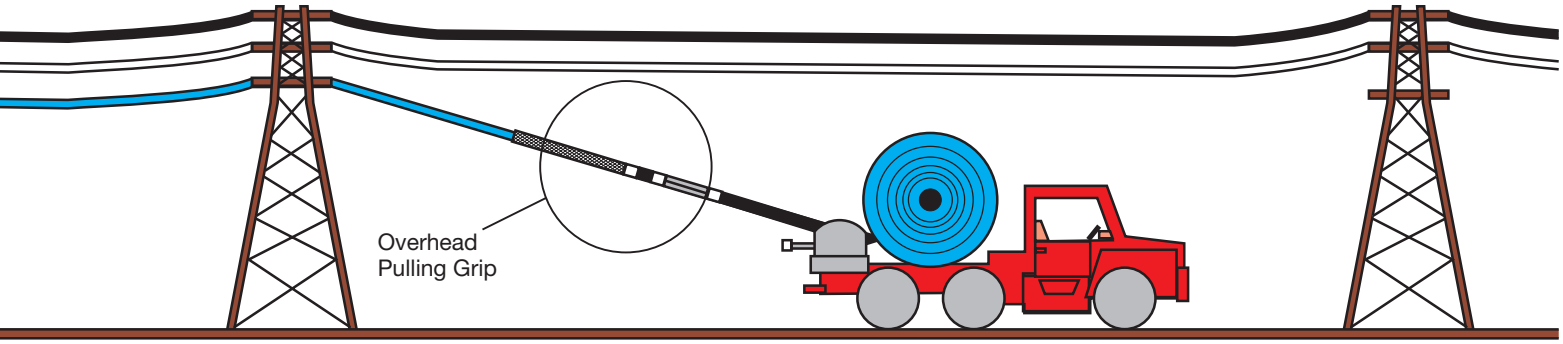
Pulling Grips are instrumental in the installations of transmission lines, service lines and cabling for construction and maintenance.

Support Grips provide holding management for indoor and outdoor permanent cable installations.

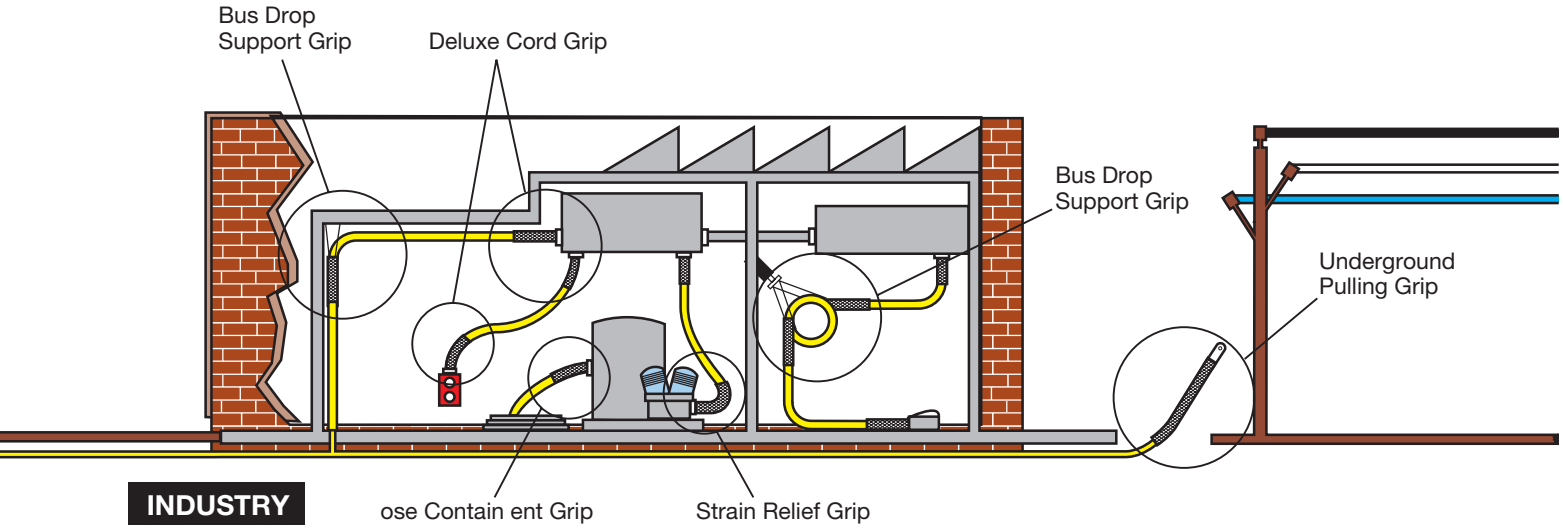
Strain Relief Grips are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.

Beyond the electrical applications illustrated here, Hubbell-Kellems Mesh Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.





UTILITY



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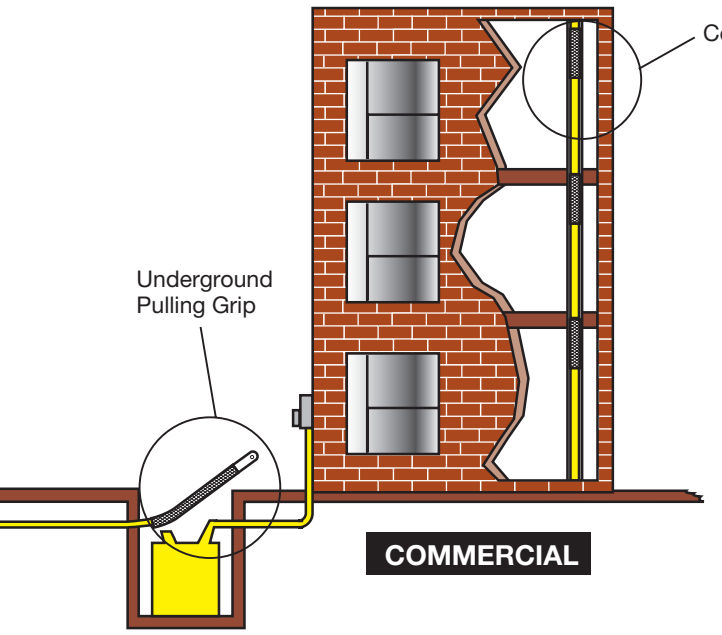
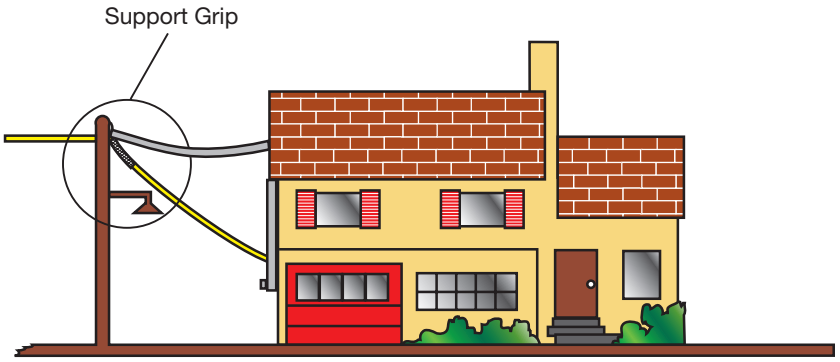


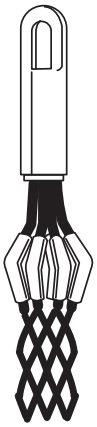
COMMERCIAL



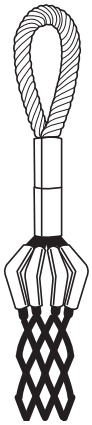
RESIDENTIAL

Quick Reference Selection Guide for Grip Applications

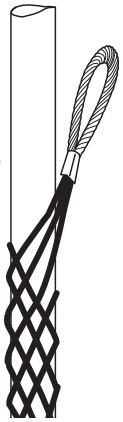
Pulling Grips



Heavy-Duty Rotating Eye
For underground wiring and overhead heavy-duty pulling of service lines and new construction cable. See pages V-7 and V-8.



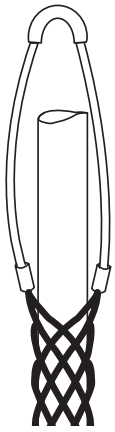
Heavy-Duty Flexible Eye
For overhead transmission and distribution line stringing. See pages V-6, V-7, and V-9.



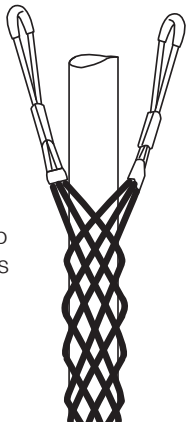
Slack Grips
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pages V-10 and V-11.

Light-Duty Flexible Eye
For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring. See page V-12.

Support Grips

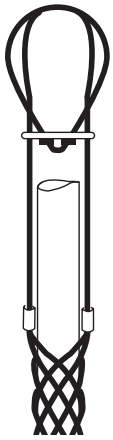


Single Eye
For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pages V-28, V-32, and V-34.



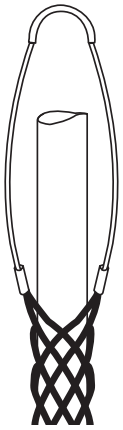
Double Eye
For double hook attachment of permanent indoor/outdoor cable. Available on heavy-duty and standard duty grips. See pages V-29 and V-33.

Single Offset Eye
For offset hook attachment of permanent indoor/outdoor cable. Available on standard duty and light-duty support grips. See page V-30.



Universal Eye
Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages V-31 and V-35.

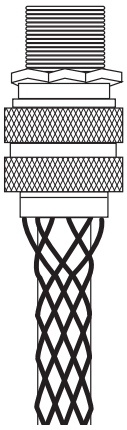
Support Grips



Wide Range Bus Drop
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page V-36.

Strain Relief Grips

Dust-Tight Strain Relief
Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See page V-63.



Deluxe Cord
Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages V-58 to V-61.

Liquid-Tight, Flexible Metal Conduit
Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages V-66 to V-68.

Other Specialty Grips

Splicing Grips
Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages V-13 and V-14.

Conduit Riser Grips
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages V-38 to V-40.

Hose Containment Grips
Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See page V-55.

Specifications are subject to change without notice.

Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs

Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends; they protect the leading edge of the grip from abrasion

The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up; it has flexibility to follow cable path

The multiweave styles available add strength for big pulling jobs and provide positive gripping power

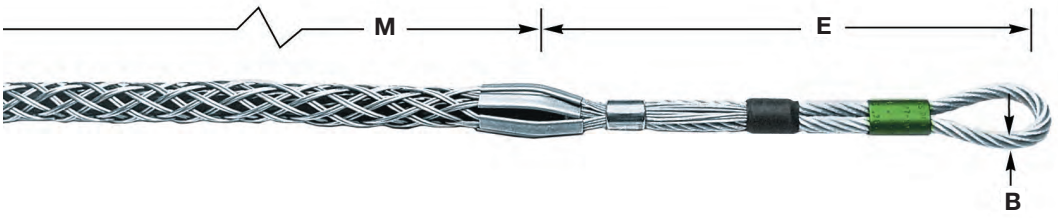
Endless weave allows easy installation onto cable. It has a snag-free low profile; designed to be a reusable tool

DUA-PULL® Grips, Flexible Eye, Double Weave Mesh

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function, not provided by any other grip, of working with both bare and insulated conductors and synthetic rope.

IMPORTANT

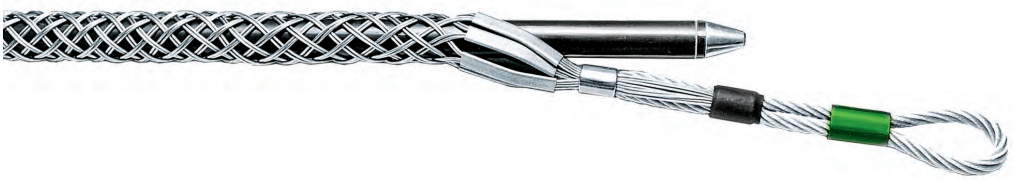
Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.



DUA-PULL® Grips

Diameter Range		Approx. Breaking Strength						
Conductor Inches (cm)	Rope* Inches (cm)	Lbs. (N)	E Inches (cm)	M Inches (cm)	Eye B Diameter Inches (cm)	Over Cable and Grip** Inches (cm)	Color Code	Catalog Number
.19"-.37" (.48-.94)	.25"-.65" (.63-1.65)	6,500 (28,912)	10" (25.40)	24" (60.96)	.220" (.56)	.200" (.51)	Black	**033271037**
.38"-.62" (.97-1.57)	.50"-.90" (1.27-2.29)	14,000 (62,272)	12" (30.48)	36" (91.44)	.375" (.95)	.280" (.71)	Dk Green	**033271038**
.63"-.87" (1.60-2.21)	.75"-1.10" (1.90-2.79)	20,000 (88,960)	13" (33.02)	48" (121.92)	.437" (1.11)	.360" (.91)	Red	**033271039**
.88"-1.12" (2.24-2.84)	1.00"-1.50" (2.54-3.81)	30,600 (136,109)	15" (38.10)	60" (152.40)	.500" (1.27)	.500" (1.27)	Dk Blue	**033271040**
1.13"-1.37" (2.87-3.48)	1.25"-1.70" (3.17-4.32)	46,800 (208,166)	18" (45.72)	76" (193.04)	.625" (1.59)	.625" (1.59)	Yellow	**033271041**
1.38"-1.90" (3.51-4.38)	1.50"-2.10" (3.81-5.33)	66,500 (295,792)	24" (60.96)	89" (226.06)	.750" (1.90)	.750" (1.90)	Aluminum	**033271042**

Note: E = Eye length. M = Mesh length at nominal diameter.
**For rope, select smallest size grip which meets required work load.*
***Add to cable or rope diameter.*



DUA-PULL® Feed Tube

For Use with DUA- PULL Grip	Rope Diameter Inches (cm)	Feed Tube Length Inches (cm)	Catalog Number
033271037	.25"-.65" (.63-1.65)	28" (71.12)	**091061043**
033271038	.50"-.90" (1.27-2.29)	40" (101.60)	**091061044**
033271039	.75"-1.10" (1.90-2.79)	52" (132.08)	**091061045**
033271040	1.00"-1.50" (2.54-3.81)	67" (170.18)	**091061046**
033271041	1.25"-1.70" (3.17-4.32)	83" (210.82)	**091061047**
033271042	1.50"-2.10" (3.81-5.33)	96" (243.84)	**091061048**

Overhead Multiple Strength Pulling Grips

Flexible or Rotating Eye, Triple, Double, Single Weave, Galvanized Steel

Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables.

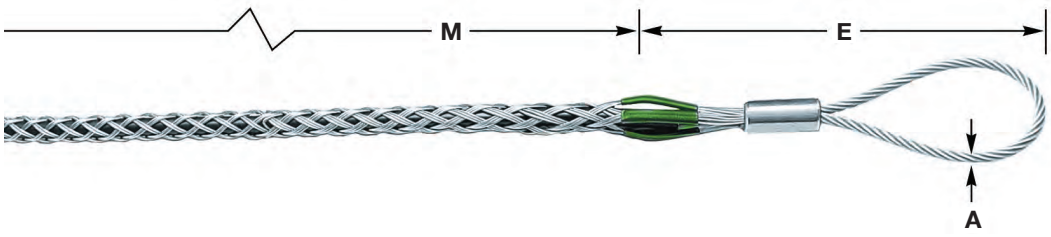
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.

Multiple Strength Grip-Rotating Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800 (20,567)	5" (12.70)	26" (66.04)	⅞" (2.22)	Dark Green	**03302016**
.50"-.74" (1.27-1.88)	10,000 (44,480)	6" (15.24)	32" (81.28)	1" (2.54)	Brown	**03302018**
.75"-.99" (1.90-2.51)	14,400 (64,051)	6" (15.24)	41" (104.14)	1" (2.54)	Light Blue	**03302020**
1.00"-1.24" (2.54-3.15)	24,600 (109,420)	8" (20.32)	52" (132.08)	1⅜" (3.49)	Gold	**03302022**
1.25"-1.49" (3.17-3.78)	30,600 (136,109)	8" (20.32)	56" (142.24)	1⅝" (4.13)	Black	**03302024**
1.50"-1.74" (3.81-4.42)	30,600 (136,109)	9" (22.86)	60" (152.40)	1⅞" (4.76)	Red	**03302026**
1.75"-2.24" (4.44-5.69)	48,000 (213,504)	10" (25.40)	70" (177.80)	1⅞" (4.76)	Dark Blue	**03302028**
2.00"-2.49" (5.08-6.32)	48,000 (213,504)	10" (25.40)	50" (127.00)	1⅞" (4.76)	Yellow	**03302066**
2.50"-2.99" (6.35-7.59)	48,000 (213,504)	10" (25.40)	52" (132.08)	1⅞" (4.76)	Orange	**03302097**
3.00"-3.49" (7.62-8.86)	48,000 (213,504)	10" (25.40)	50" (127.00)	1⅞" (4.76)	Aluminum	**033021030**
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	53" (134.62)	1⅞" (4.76)	Light Green	**033021031**

Note: E- Eye length M-Mesh length at nominal diameter.



Multiple Strength Grip-Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Eye A Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800 (20,567)	9" (22.86)	26" (66.04)	¼" (.63)	Dark Green	**03302044**
.50"-.74" (1.27-1.88)	10,000 (44,480)	9" (22.86)	32" (81.28)	5/16" (.79)	Brown	**03302046**
.75"-.99" (1.90-2.51)	14,400 (64,051)	11" (27.94)	41" (104.14)	⅜" (.95)	Light Blue	**03302048**
1.00"-1.24" (2.54-3.15)	24,600 (109,420)	12" (30.48)	52" (132.08)	½" (1.27)	Gold	**03302050**
1.25"-1.49" (3.17-3.78)	30,600 (136,109)	12" (30.48)	56" (142.24)	½" (1.27)	Black	**03302052**
1.50"-1.74" (3.81-4.42)	30,600 (136,109)	12" (30.48)	60" (152.40)	½" (1.27)	Red	**03302054**
1.75"-2.24" (4.44-5.69)	48,000 (213,504)	18" (45.72)	70" (177.80)	⅝" (1.59)	Dark Blue	**03302056**
2.00"-2.49" (5.08-6.32)	48,000 (213,504)	18" (45.72)	50" (127.00)	⅝" (1.59)	Yellow	**033021078**
2.50"-2.99" (6.35-7.59)	48,000 (213,504)	18" (45.72)	52" (132.08)	⅝" (1.59)	Orange	**033021079**
3.00"-3.49" (7.62-8.86)	48,000 (213,504)	18" (45.72)	50" (127.00)	⅝" (1.59)	Aluminum	**033021080**
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	18" (45.72)	53" (134.62)	⅝" (1.59)	Light Green	**033021081**

Note: E- Eye length. M-Mesh length at nominal diameter.

Underground K-Type Pulling Grips

Rotating Eye, Double Weave, Galvanized Steel

K-Type Grips

Kellems® Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.

K-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Catalog Number
Short					
.50"-.62" (1.27-1.57)	5,600 (24,909)	5" (12.70)	11" (27.94)	⅞" (2.22)	**03301001**
.63"-.74" (1.60-1.88)	6,800 (30,246)	5" (12.70)	11" (27.94)	⅞" (2.22)	**03301002**
.75"-.99" (1.90-2.51)	6,800 (30,246)	6" (15.24)	20" (50.80)	1" (2.54)	**03301013**
1.00"-1.24" (2.54-3.15)	12,800 (56,934)	7" (17.78)	20" (50.80)	1⅜" (3.49)	**03301014**
1.25"-1.49" (3.17-3.78)	12,800 (56,934)	7" (17.78)	21" (53.34)	1⅜" (3.49)	**03301016**
1.50"-1.99" (3.81-5.05)	16,400 (72,941)	7" (17.78)	25" (63.50)	1⅜" (3.49)	**03301017**
2.00"-2.49" (5.08-6.32)	27,200 (120,986)	8" (20.32)	26" (66.04)	1⅝" (4.13)	**03301018**
2.50"-2.99" (6.35-7.59)	33,000 (146,784)	10" (25.40)	28" (71.12)	1⅞" (4.76)	**03301019**
3.00"-3.49" (7.62-8.86)	41,000 (182,368)	10" (25.40)	30" (76.20)	1⅞" (4.76)	**03301020**
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	32" (81.28)	1⅞" (4.76)	**03301021**
4.00"-4.49" (10.16-11.40)	48,000 (213,504)	10" (25.40)	33" (83.82)	1⅞" (4.76)	**033011017**
Standard					
.50"-.62" (1.27-1.57)	5,600 (24,909)	5" (12.70)	16" (40.64)	⅞" (2.22)	**03301011**
.63"-.74" (1.60-1.88)	6,800 (30,246)	5" (12.70)	16" (40.64)	⅞" (2.22)	**03301012**
.75"-.99" (1.90-2.51)	9,600 (42,701)	6" (15.24)	32" (81.28)	1" (2.54)	**03301024**
1.00"-1.49" (2.54-3.78)	16,400 (72,947)	7" (17.78)	33" (83.82)	1⅜" (3.49)	**03301025**
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	7" (17.78)	34" (86.36)	1⅜" (3.49)	**03301026**
2.00"-2.49" (5.08-6.32)	27,200 (120,986)	9" (22.86)	36" (91.44)	1⅝" (4.13)	**03301027**
2.50"-2.99" (6.35-7.59)	33,000 (146,784)	10" (25.40)	38" (96.52)	1⅞" (4.76)	**03301028**
3.00"-3.49" (7.62-8.86)	41,000 (182,368)	10" (25.40)	39" (99.06)	1⅞" (4.76)	**03301029**
3.50"-3.99" (8.89-10.13)	48,000 (213,504)	10" (25.40)	41" (104.14)	1⅞" (4.76)	**03301030**
4.00"-4.49" (10.16-11.40)	48,000 (213,504)	10" (25.40)	42" (106.68)	1⅞" (4.76)	**03301031**
4.50"-4.99" (11.43-12.67)	48,000 (213,504)	10" (25.40)	58" (147.32)	1⅞" (4.76)	**03301039**
5.00"-5.99" (12.70-15.21)	40,000 (177,920)	10" (25.40)	60" (152.40)	1⅞" (4.76)	**03301047**
6.00"-6.99" (15.24-17.75)	48,000 (213,504)	10" (25.40)	66" (167.64)	1⅞" (4.76)	**03301045**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page V-25 for multiple cables in a single pulling grip.

Underground T-Type Pulling Grips

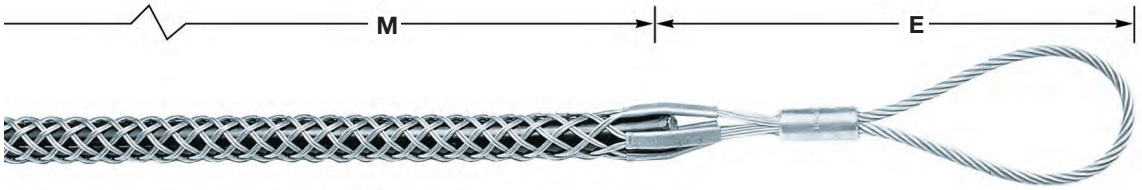
Flexible Eye, Double Weave, Galvanized Steel

T-Type Grips

Kellems® Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.



T-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
Short				
.50"-.62" (1.27-1.57)	4,500 (20,016)	8" (20.32)	21" (53.34)	**033041082**
.63"-.74" (1.60-1.88)	5,600 (24,909)	8" (20.32)	24" (60.96)	**033041083**
.75"-.99" (1.90-2.51)	6,800 (30,246)	9" (22.86)	24" (60.96)	**033041084**
1.00"-1.49" (2.54-3.78)	9,600 (42,701)	9" (22.86)	24" (60.96)	**033041085**
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	11" (27.94)	24" (60.96)	**033041086**
2.00"-2.49" (5.08-6.32)	18,500 (82,288)	12" (30.48)	24" (60.96)	**033041087**
2.50"-2.99" (6.35-7.59)	24,500 (108,976)	12" (30.48)	24" (60.96)	**033041088**
3.00"-3.49" (7.62-8.86)	24,500 (108,976)	14" (35.56)	24" (60.96)	**033041089**
3.50"-3.99" (8.89-10.13)	31,000 (137,888)	14" (35.56)	26" (66.04)	**033041090**
Standard				
.75"-.99" (1.90-2.51)	6,800 (30,246)	9" (22.86)	36" (91.44)	**033041091**
1.00"-1.49" (2.54-3.78)	9,600 (42,701)	9" (22.86)	36" (91.44)	**033041092**
1.50"-1.99" (3.81-5.05)	16,400 (72,947)	11" (27.94)	36" (91.44)	**033041093**
2.00"-2.49" (5.08-6.32)	18,500 (82,288)	12" (30.48)	36" (91.44)	**033041094**
2.50"-2.99" (6.35-7.59)	24,500 (108,976)	12" (30.48)	36" (91.44)	**033041095**
3.00"-3.49" (7.62-8.86)	24,500 (108,976)	14" (35.56)	36" (91.44)	**033041096**
3.50"-3.99" (8.89-10.13)	31,000 (137,888)	14" (35.56)	40" (101.60)	**033041097**

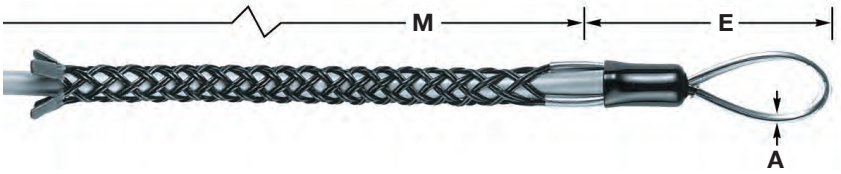
Note: E- Eye length. M-Mesh length at nominal diameter.
See page V-25 for multiple cables in a single pulling grip.

Non-Conductive Grips

Kellems® Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.

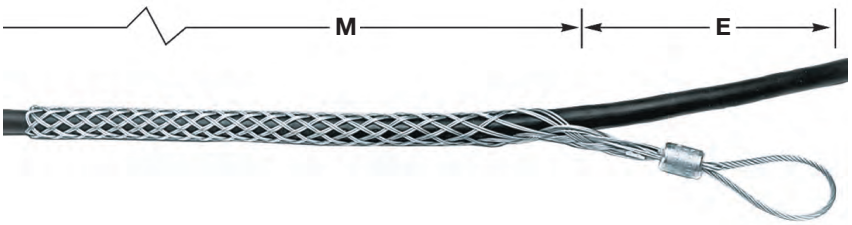


Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	A Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	4,000 (17,792)	5.5" (13.97)	24" (60.96)	.44" (1.12)	Green	**03628001**
.63"-.74" (1.60-1.88)	5,000 (22,240)	5.5" (13.97)	26" (66.04)	.44" (1.12)	Yellow	**03628002**
.75"-.99" (1.90-2.51)	6,000 (26,688)	6.0" (15.24)	31" (78.74)	.63" (1.60)	Red	**03628003**
1.00"-1.24" (2.54-3.15)	6,000 (26,688)	6.5" (16.51)	36" (91.44)	.63" (1.60)	Blue	**03628004**
1.25"-1.49" (3.17-3.78)	6,000 (26,688)	6.7" (17.02)	41.5" (105.41)	.63" (1.60)	White	**03628005**
1.50"-1.99" (3.815.05)	6,000 (26,688)	8.0" (20.32)	44.0" (121.76)	.63" (1.60)	Pink	**03628006**

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.



Slack Grip-Closed Mesh, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
Standard				
.75"-.99" (1.90-2.51)	2,600 (11,565)	7" (17.78)	12" (30.48)	**03308003**
1.00"-1.24" (2.54-3.15)	4,000 (17,792)	8" (20.32)	15" (38.10)	**03308004**
1.25"-1.49" (3.17-3.78)	5,400 (24,019)	8" (20.32)	16" (40.64)	**03308005**
1.50"-1.74" (3.81-4.42)	6,600 (29,357)	8" (20.32)	20" (50.80)	**03308006**
1.75"-1.99" (4.44-5.05)	10,000 (44,480)	10" (25.40)	18" (45.72)	**03308007**
2.00"-2.49" (5.08-6.32)	11,000 (48,928)	10" (25.40)	19" (48.26)	**03308008**
2.50"-2.99" (6.35-7.59)	11,000 (48,928)	10" (25.40)	20" (50.80)	**03308009**
3.00"-3.49" (7.62-8.86)	14,500 (64,496)	12" (30.48)	21" (53.34)	**03308010**
3.50"-3.99" (8.89-10.13)	14,500 (64,496)	12" (30.48)	22" (55.88)	**03308011**

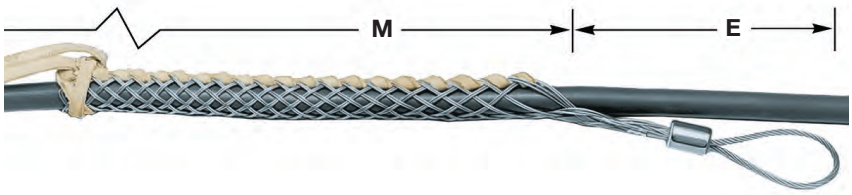
Note: E- Eye length. M-Mesh length at nominal diameter.
See page V-25 for multiple cables in a single pulling grip.

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

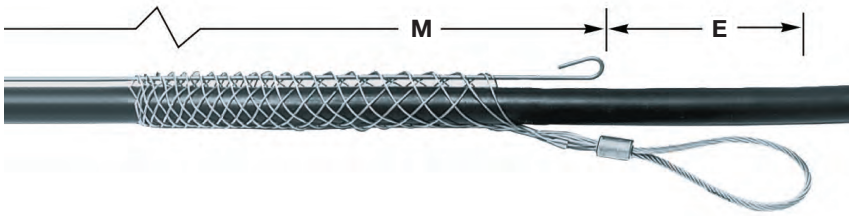
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.



Slack Grip-Split Mesh, Rawhide Lace Closing, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
Standard				
.75"-.99" (1.90-2.51)	2,500 (11,120)	7" (17.78)	12" (30.48)	**03309003**
1.00"-1.24" (2.54-3.15)	3,500 (15,568)	8" (20.32)	15" (38.10)	**03309004**
1.25"-1.49" (3.17-3.78)	4,000 (17,792)	8" (20.32)	16" (40.64)	**03309005**
1.50"-1.74" (3.81-4.42)	4,000 (17,792)	9" (22.86)	17" (43.18)	**03309006**
1.75"-1.99" (4.44-5.05)	4,000 (17,792)	10" (25.40)	18" (45.72)	**03309007**
2.00"-2.49" (5.08-6.32)	4,000 (17,792)	10" (25.40)	19" (48.26)	**03309008**
2.50"-2.99" (6.35-7.59)	4,000 (17,792)	10" (25.40)	20" (50.80)	**03309009**
Long				
1.50"-1.99" (3.81-5.05)	4,000 (17,792)	9" (22.86)	25" (63.50)	**03309015**
2.00"-2.49" (5.08-6.32)	4,000 (17,792)	10" (25.40)	26" (66.04)	**03309016**
2.50"-2.99" (6.35-7.59)	4,000 (17,792)	10" (25.40)	29" (73.66)	**03309017**
3.00"-3.49" (7.62-8.86)	4,000 (17,792)	12" (30.48)	32" (81.28)	**03309018**
3.50"-3.99" (8.89-10.13)	4,000 (17,792)	12" (30.48)	35" (88.90)	**03309019**



Slack Grip-Split Mesh, Rod Closing, Offset Eye, Single Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.61" (1.27-1.55)	1,500 (6,672)	7" (17.78)	6" (15.24)	**03310001**
.62"-.74" (1.57-1.88)	1,800 (8,006)	7" (17.78)	8" (20.32)	**03310002**
.75"-.99" (1.90-2.51)	2,200 (9,786)	7" (17.78)	10" (25.40)	**03310003**
1.00"-1.24" (2.54-3.15)	3,400 (15,123)	8" (20.32)	12" (30.48)	**03310004**
1.25"-1.49" (3.17-3.78)	4,500 (20,016)	8" (20.32)	14" (35.56)	**03310005**
1.50"-1.74" (3.81-4.42)	5,800 (25,798)	9" (22.86)	15" (38.10)	**03310006**
1.75" -1.99" (4.44-5.05)	7,600 (33,805)	10" (25.40)	16" (40.64)	**03310007**
2.00"-2.49" (5.08-6.32)	9,000 (40,032)	10" (25.40)	19" (48.26)	**03310008**
2.50"-2.99" (6.35-7.59)	11,000 (48,928)	10" (25.40)	20" (50.80)	**03310009**
3.00"-3.49" (7.62-8.86)	12,000 (53,376)	12" (30.48)	21" (53.34)	**03310010**
3.50"-3.99" (8.89-10.13)	12,000 (53,376)	12" (30.48)	24" (60.96)	**03310011**

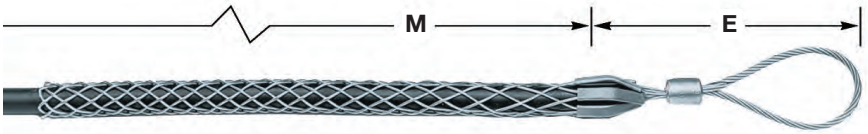
Note: E- Eye length. M-Mesh length at nominal diameter.
See page V-25 for multiple cables in a single pulling grip.

Low Tension Pulling Grips

Flexible Eye, Single Weave, Galvanized Steel

Light Duty Grips

Light Duty Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.



IMPORTANT

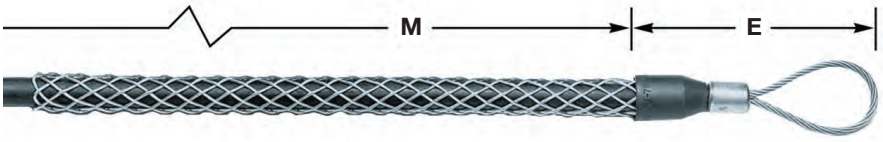
Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.

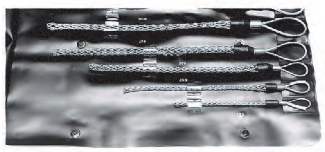
Light Duty Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
Short				
.50"-.62" (1.27-1.57)	2,800 (12,454)	5" (12.70)	11" (27.94)	**03303001**
.63"-.74" (1.60-1.88)	2,800 (12,454)	5" (12.70)	11" (27.94)	**03303002**
.75"-.99" (1.90-2.51)	4,000 (17,792)	6" (15.24)	12" (30.48)	**03303003**
1.00"-1.24" (2.54-3.15)	5,300 (23,574)	7" (17.78)	13" (33.02)	**03303004**
1.25"-1.49" (3.17-3.78)	5,300 (23,574)	7" (17.78)	14" (35.56)	**03303005**
1.50"-1.74" (3.81-4.42)	6,800 (30,246)	8" (20.32)	15" (38.10)	**03303006**
1.75"-1.99" (4.44-5.05)	8,500 (37,808)	9" (22.86)	17" (43.18)	**03303007**
2.00"-2.49" (5.08-6.32)	8,500 (37,808)	9" (22.86)	18" (45.72)	**03303008**
Standard				
.50"-.62" (1.27-1.57)	2,800 (12,454)	5" (12.70)	16" (40.64)	**03303010**
.63"-.74" (1.60-1.88)	2,800 (12,454)	5" (12.70)	16" (40.64)	**03303011**
.75"-.99" (1.90-2.51)	4,000 (17,792)	6" (15.24)	20" (50.80)	**03303012**
1.00"-1.24" (2.54-3.15)	6,800 (30,246)	7" (17.78)	20" (50.80)	**03303013**
1.25"-1.49" (3.17-3.78)	6,800 (30,246)	7" (17.78)	21" (53.34)	**03303015**
1.50"-1.99" (3.81-5.05)	6,800 (30,246)	8" (20.32)	23" (58.42)	**03303016**
2.00"-2.49" (5.08-6.32)	8,500 (37,808)	9" (22.86)	25" (63.50)	**03303017**
2.50"-2.99" (6.35-7.59)	10,600 (47,149)	9" (22.86)	27" (68.58)	**03303018**
3.00"-3.49" (7.62-8.86)	14,700 (65,386)	10" (25.40)	30" (76.20)	**03303019**
3.50"-3.99" (8.89-10.13)	14,700 (65,386)	10" (25.40)	32" (81.28)	**03303029**

Junior Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.





033051114

Junior Pulling Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Model	Catalog Number
.19"-.24" (.48-.61)	400 (1,779)	3¼" (8.25)	4¼" (10.79)	J19	**03305011***
.25"-.37" (.63-.94)	450 (2,002)	3¼" (8.25)	4¼" (10.79)	J25	**03305001**
.38"-.49" (.97-1.24)	900 (4,003)	3¾" (9.52)	7" (17.78)	J37	**03305002**
.50"-.62" (1.27-1.57)	1,300 (5,782)	4¼" (10.79)	8½" (21.59)	J50	**03305003**
.63"-.74" (1.60-1.88)	1,950 (8,674)	5" (12.70)	10" (25.40)	J62	**03305004**
.75"-.99" (1.90-2.51)	2,800 (12,454)	5¾" (14.60)	10" (25.40)	J75	**03305005**
1.00"-1.24" (2.54-3.15)	3,900 (17,347)	6½" (16.51)	11½" (29.21)	J100	**03305006**
Junior Grip Kit contains 6 grips, one of each size above, except 03305011.					**033051114**

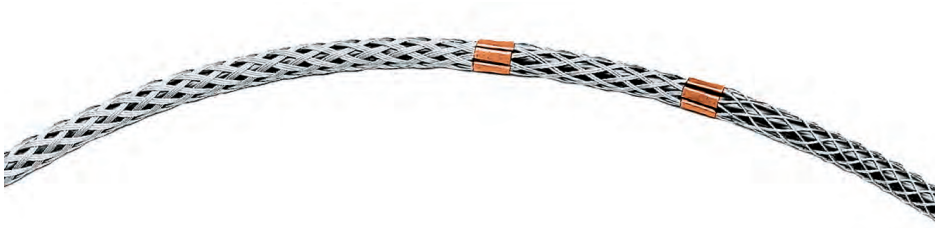
Note: E- Eye length. M-Mesh length at nominal diameter.
**Not included in Junior Grip Kit, 033051114.*
Note: See page V-25 for multiple cables in a single pulling grip.
See page V-26 for building wire selection chart.

Kellems® Wire Rope Grips

Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

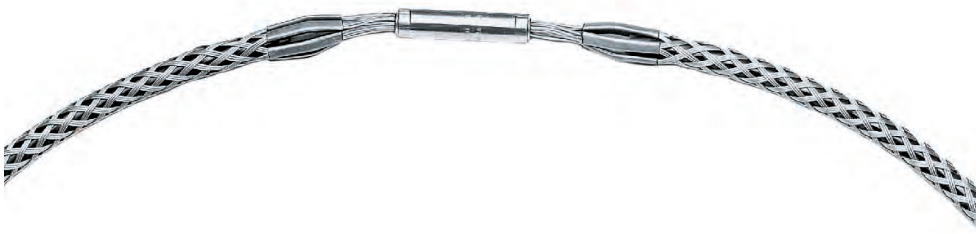
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.



Regular Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Approx. Strength of Grip Feet (m)	Catalog Number
9⁄16"- 5⁄8" (1.43-1.59)	7,500 (33,360)	5.75 (1.75)	**03316001**
3⁄4"- 7⁄8" (1.90-2.22)	12,500 (55,600)	6.75 (1.90)	**03316002**
1"-1 1⁄8" (2.54-2.86)	16,000 (71,168)	7.00 (2.13)	**03316003**
1 1⁄4"- 1 3⁄8" (3.17-3.49)	20,000 (88,960)	8.00 (2.44)	**03316004**
1 3⁄8"- 1 1⁄2" (3.49-3.81)	20,000 (88,960)	8.00 (2.44)	**03316006**



Rotating Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Approx. Strength of Grip Feet (m)	Barrel Dimensions Length. x O.D. In. (cm)	Catalog Number
7⁄16"- 1⁄2" (1.11-1.27)	5,000 (22,240)	5.33 (1.63)	3.00" (7.62) x .87" (2.21)	**03317001**
9⁄16"- 5⁄8" (1.43-1.59)	7,500 (33,360)	5.83 (1.78)	4.25" (10.79) x 1.00" (2.54)	**03317002**
3⁄4"- 7⁄8" (1.90-2.22)	12,500 (55,600)	6.50 (1.98)	4.25" (10.79) x 1.00" (2.54)	**03317003**
1"- 1 1⁄8" (2.54-2.86)	16,000 (71,168)	8.67 (2.64)	5.50" (13.97) x 1.37" (3.48)	**03317004**
1 1⁄4"- 1 3⁄8" (3.17-3.49)	20,000 (88,960)	9.00 (2.74)	5.50" (13.97) x 1.37" (3.48)	**03317005**
1 1⁄2"- 1 3⁄4" (3.81-4.44)	20,000 (88,960)	11.00 (3.35)	5.50" (13.97) x 1.37" (3.48)	**03317006**

Cable Splicing Grips

Double Weave, Galvanized Steel / Single Weave, Galvanized Steel

Splicing Grips

Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

IMPORTANT

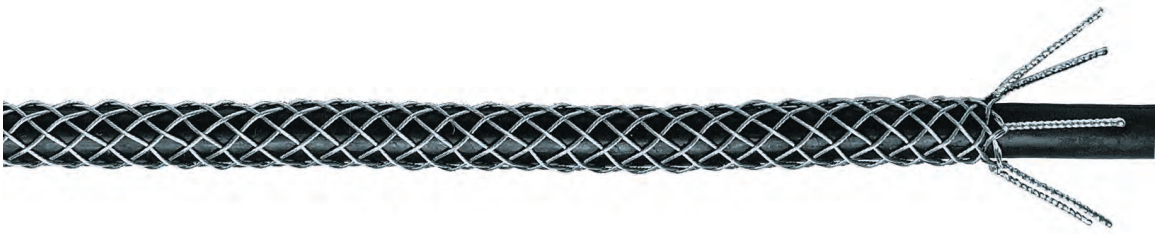
Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.

Double Weave Tube

Cable Diameter Range Inches (cm)	.37"-.49" (.94-1.24)	.50"-.61" (1.27-1.55)	.62"-.74" (1.57-1.88)	.75"-.99" (1.90-2.51)	1.00"-1.49" (2.54-3.78)
Approx. Breaking Strength Lbs. (N)	3,500 (15,568)	3,500 (15,568)	4,400 (19,571)	7,500 (33,360)	10,000 (44,480)
Mesh Length Inches (cm)	Catalog Number				
18" (45.72)	**013041330**	**01304064**	**01304009**	—	—
24" (60.96)	—	**01304011**	**01304013**	**01304010**	**01304015**
36" (91.44)	—	—	**013041234**	**01304054**	**01304055**
48" (121.92)	—	—	—	**01304017**	**01304029**
72" (182.88)	—	—	—	**01304037**	**013041333**

Junior Splicing Grips, Single Weave

Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

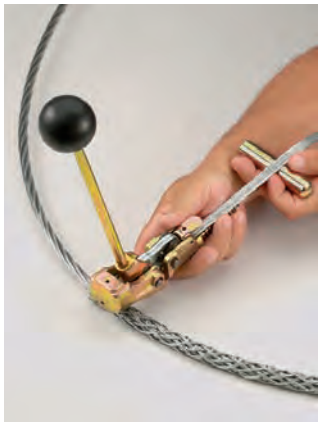


Junior Tube

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Length @ Nom Diameter Inches (cm)	Catalog Number
.18"-.24" (.46-.61)	400 (1,779)	7" (17.78)	**01301008**
.25"-.36" (.63-.91)	400 (1,779)	8" (20.32)	**01301013**

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.



When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. Bands should be applied to the ends of the grips as illustrated herein. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves.

The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.

Punch-Lok® Bands

Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diameter Inches (cm)	Model	Catalog Number
¼"-1⅛" (.63-2.86)	⅜" (.95)	1⅜" (3.49)	0-311	**20320050**
1⅛"-1⅝" (2.86-4.13)	⅜" (.95)	2" (5.08)	0-316	**20320051**
1⅝"-2¼" (4.13-5.71)	⅝" (1.59)	2½" (6.35)	0-10	**20320052**
2¼"-3½" (5.71-8.89)	⅝" (1.59)	4" (10.16)	0-16	**20320053**
3½"-5" (8.89-12.70)	⅝" (1.59)	6" (15.24)	0-24	**20320054**

20320054

Accessories

Punch-Lok Tools	Catalog Number
P-1000 for use with ⅝" width Banding tool.	**20320048**
P-38 for use with ⅜" and ⅝" width Banding tool for tight spaces.	**20320047**

Note: In all cases two Punch-Lok Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release.

20320048

20320047

Punch-Lok® is a registered trademark of Punch-Lok Inc.

Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag.

Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.

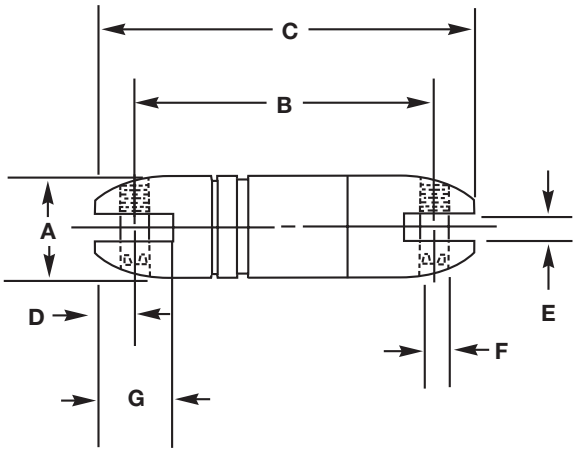
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-17 to V-26.

20308001A

Stainless Steel Swivels

Maximum Safe Working Load Lbs. (N)	Dimensions in Inches (cm)							Model	Catalog Number
	A	B	C	D	E	F	G		
2,250 (10,000)	7/8" (2.22)	2½" (6.35)	3⅜" (8.57)	7/16" (1.11)	⅜" (0.95)	5/16" (0.79)	31/32" (2.46)	A-13L	**20308001A**
5,000 (22,240)	1¼" (3.17)	3 11/16" (9.37)	4¾" (12.06)	1 7/32" (1.35)	1 7/32" (1.35)	13/32" (1.03)	1 9/32" (3.25)	BB-13L	**20308002A**
9,000 (40,030)	1½" (3.81)	4¼" (10.79)	5⅝" (14.29)	1 1/16" (1.75)	1 9/32" (1.51)	½" (1.27)	1 9/16" (3.97)	B-13L	**20308003A**
10,000 (44,480)	1⅝" (4.13)	4½" (11.43)	6" (15.24)	¾" (1.90)	1 1/16" (1.75)	⅝" (1.59)	1 23/32" (4.36)	C-13L	**20308004A**
30,000 (133,440)	2⅜" (6.03)	7⅝" (19.37)	10" (25.40)	1 3/16" (3.02)	1 1/32" (2.62)	7/8" (2.22)	2 25/32" (7.06)	D-13L	**20308005A**



Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

CAUTION: It is very important to comply with all of the following precautions. Failure to do so may result in property damage, personal injury or death.

1. Pulling grips are to be installed by a qualified individual in accordance with all applicable national and local safety, electrical and rigging codes.
2. Ensure that the correct grip is selected for your specific needs.
3. Do not use a pulling grip for any application other than pulling cable.
4. Thoroughly examine the grip for damage. Do not use a damaged grip.
5. Ensure that the recommended work load of the grip is suitable for the application. Never use grips at their approximated rated breaking strength. A safety factor of 5 is recommended for pulling grips.
6. Do not alter grips in any way. For example, do not modify pulling eyes, shoulders, fittings or lugs.
7. Do not attach any type of pulling hardware to any point on the grip other than the pulling eye. The pulling eye is the only acceptable means of attachment to external hardware.
8. Always apply 2 bands at 1" and 2" respectively, from the tail end of the mesh to guard against accidental release of the grip. Accidental release can occur if an object contracts and pushes against the tail end of the mesh, thereby expanding and releasing its hold.

Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the chart below to determine the style of grip best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page V-18 for safety and working load factors.

Pulling Grip Selection Chart

Grip Style	Application	Page Number
DUA-PULL®, flexible eye	Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope.	V-6
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	V-7
Multiple strength, rotating eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	V-7
K-type grip, rotating eye	Underground power cables and communication lines. Service lines into factories.	V-8
T-type grip, flexible eye	Underground power cables and communication lines. Service lines into factories.	V-9
Non-conductive, flexible eye	Pull insulated distribution cable into place.	V-10
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	V-10
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rawhide lace closing when end of cable is not available.	V-11
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rod closing when end of cable is not available, with rod closing for quick installation.	V-11
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	V-12
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	V-12
Regular and rotating wire rope	Restring wire rope in cranes and oil rigs.	V-13
Splicing	Temporary splice for cable or wire rope.	V-14
Pulling Grip Accessories	Tools, bands, swivels.	V-15, V-16
Fiber Optic Cable Pulling Grips	Pull fiber optic cable into place overhead, underground or through duct and conduit.	V-47, V-48, V-49

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support Grips	1,610 (7,161)	10	161 (716)	**02201018**

The maximum recommended working load then is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Pulling Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Pulling grips • Wire rope grips • Splicing grips
Non-metallic strand	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• Non-conductive pulling grips

Approvals

UL and CSA Certification is indicated on appropriate product catalog pages.

Overhead Pulling DUA-PULL® Grips

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces.

THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.

Application

The DUA-PULL Grips are primarily used in overhead transmission line construction where loads and safety considerations require an extra high strength grip. They are most commonly used for attaching pulling lines to conductors, conductors to running boards and "double socking" for conductor-to-conductor connections. The DUA-PULL line accommodates ACSR, ACAR, all aluminum and copper conductors. Also, the grips accommodate ground wires, messenger strands, wire ropes and synthetic ropes.

Benefits

- Made of high strength galvanized steel strand.
- Recommended for pulling bare or insulated conductor, wire rope and synthetic rope.
- DUA-PULL mesh design offers the greatest holding power for all pulling applications.
- Each grip size is color coded for fast and accurate identification and selection.
- Will mate with swivels. See page V-16.

Feed Tubes

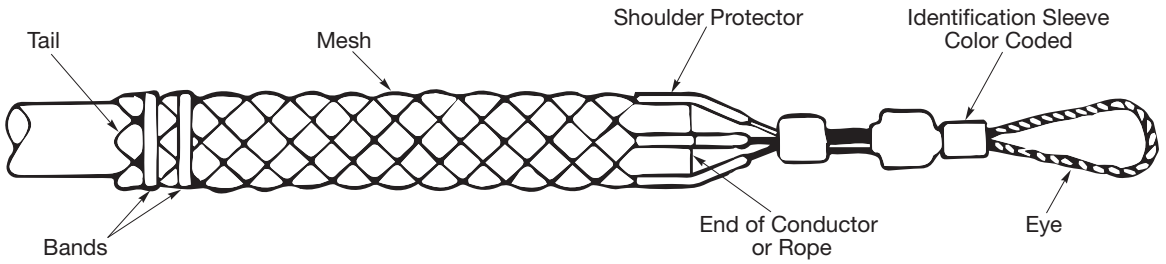
The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

Benefits

- Saves time, allowing fast, easy assembly.
- Can be reused if not damaged.

Note: 1. Do not run grips or swivels over bullwheels while under tension.
2. Two Punch-Lok® bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. See page V-15.
3. Double braided rope, such as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter of back splice.

Components



Overhead Pulling Multiple Strength Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

Application

Kellems Multiple Strength Grips are ideal for overhead transmission and distribution line stringing where moderate loading is anticipated. They are economical tools for attaching conductors to pulling lines and double socking for conductor-to-conductor connections.

Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. The rotating eye is not a swivel and will not turn while under tension; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page V-16. For rotating eye dimensions, see page V-21.

Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.

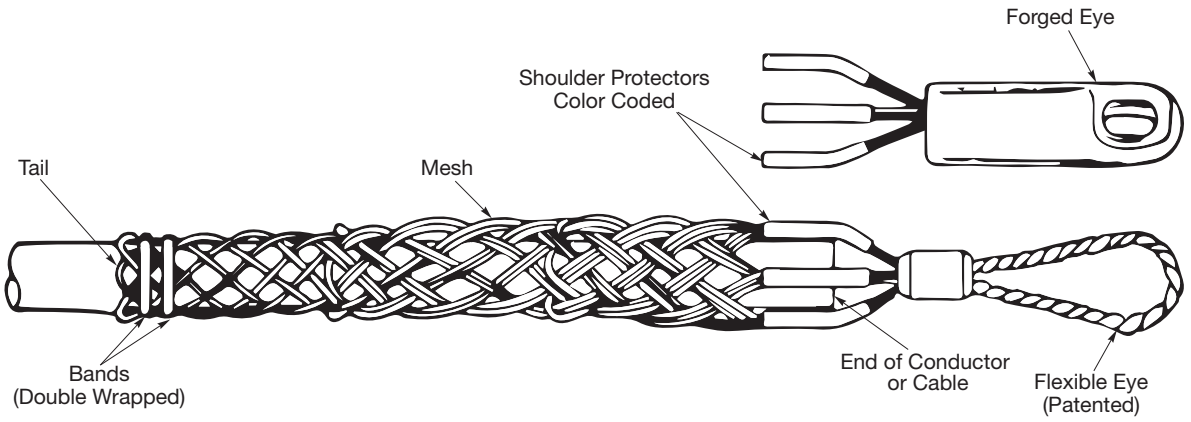
Benefits

- Economical, high strength pulling tool.
- Multi-weave construction provides greater strength and holding power.
- Endless Weave Grip end lies flat on the cable and will not snag.

Note: 1. Do not run grips or swivels over bullwheels while under tension.

2. Two Punch-Lok® bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. See page V-15.

Components



Underground Pulling K-Type and T-Type Grips

K-Type Application

Rotating Eye, K-Type Pulling Grips are specially designed for use in the installation of underground power cables, communication lines and service lines into factories, shopping centers, construction projects and general underground electrical construction.

Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding.

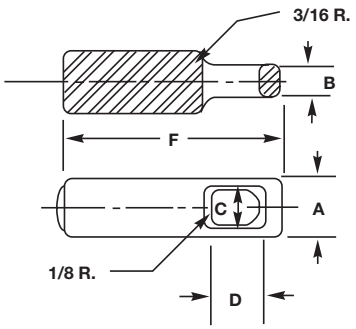
The rotating eye is not a swivel and will not turn while under tension; it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page V-16.

Benefits

- An economical tool for pulling cable.
- Safe, rugged and dependable.
- Equipped with a rotating eye for spin out of pulling torque after load release.
- Easily installed and removed.

Rotating Eye Dimensions

Rotating Eye Dimensions Inches (cm)	A	B	C	D	F
⅞" (2.22)	⅞" (2.22)	9/32" (.71)	½" (1.27)	⅞" (2.22)	2⅝" (6.67)
1" (2.54)	1" (2.54)	½" (1.27)	9/16" (1.43)	13/16" (2.06)	3½" (8.89)
1⅜" (3.49)	1⅜" (3.49)	½" (1.27)	11/16" (1.75)	1" (2.54)	4½" (11.43)
1⅝" (4.13)	1⅝" (4.13)	⅝" (1.59)	⅞" (2.22)	1⅜" (3.02)	5⅝" (13.49)
1⅞" (4.76)	1⅞" (4.76)	21/32"(1.67)	1" (2.54)	1⅜" (3.49)	6⅛" (15.56)



T-Type

Kellems Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls, and standard for general purpose pulling.

Benefits

- Will pull a single cable or cable bundles.
- Patented flexible eye design provides flexibility to follow line of pull.
- A dependable, reusable pulling tool.
- Easily installed and removed.
- Mates easily with a swivel. See page V-16.

Special Purpose Grips

Non-Conductive Pulling Grips

Kellems Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

Application

Kellems Non-Conductive Pulling Grips were developed for use by utilities for pulling overhead distribution lines in close proximity to energized lines and hardware.

Benefits

- Color coded for fast on-site selection.
- Extra flexibility for easy installation.
- Non-metallic mesh provides for safe pulls over “hot" areas.
- Pellethane jacketed aramid fiber mesh resists abrasion.
- Grips are corrosion resistant.

Note: Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not, there are split lace and split rod closing styles. All grips feature single offset eye for easy attachment to a pulling line.

Application

Slack Grips are widely used in pulling slack for final placement of under ground cable after it has been pulled in. They are also used for removing cable. Standard mesh lengths are generally used in restricted space for short pulls. Longer lengths are used for higher pulling loads where space is not restricted.

Benefits

- Easy attachment to pulling lines.
- Reusable rawhide lace for lace closure.
- Galvanized steel for strength.

Note: 1. Replacement rawhide lace. Catalog number 20920002.
2. See page V-43 for lace and rod closing instructions.

Commercial Construction/Light Duty Grips

Light Duty Pulling Grips

Light Duty Pulling Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

Application

Light Duty Grips are used in general underground electrical construction where pulling tensions are low. They are easy tools to use in wiring industrial plants and commercial buildings.

Benefits

- Perfect tools for light pulling jobs.
- Installs easily on cable.
- Strong, galvanized steel construction.

Junior Duty Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Application

Designed to pull building wire, Junior grips are safe tools to use in pulling wire at low tension through conduit during electrical construction.

Benefits

- Installs easily over building wire.
- Strong secure grip.
- Reusable.
- Pulls single cable or cable bundles.

Junior Grip Kit

Junior Grip Kit contains 6 grips, one of each size. Catalog number **033051114**. See page V-12.

Note: See page V-26 for building wire selection chart.

Splicing Grips

Wire Rope Splicing

Kellems Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.

Benefits

- High strength for secure pulling.
- Easy installation.
- Flexible to pass through sheaves and blocks.

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page V-15 for end bands.
2. The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.

Cable Splicing

Splicing Grips are made of galvanized steel in double or single weave mesh construction. They are available in various lengths and sizes to suit most applications.

Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement, and can act as a shield to protect cables and hoses from abrasion.

Benefits

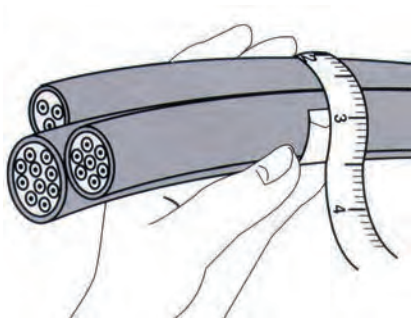
- Easily installed or removed.
- Galvanized steel construction for strength.
- Flexible to follow cable path.

Note: 1. During installation, each end of the splicing grip should be banded and taped down securely to the cable to insure smooth passage with the cable and guard against accidental release.
2. See page V-15 for end bands.

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.



For Pulling Grips*

CAUTION: When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: Three cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia.Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.60)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section. It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page V-15 for end bands.*

Junior Pulling Grip Selection Chart

These charts are a general guide to assist in the selection of the correct Junior Pulling Grip for pulling various groupings of building wire. It is not intended to be restrictive inasmuch as the use of “dummy" wires (short pieces of wire used to fill out the Grip) or the tight taping of the wires into a compact bundle may increase or decrease the number of wires per Grip.

T.H.W.N., T.H.H.N. and X.H.H.W. Building Wire

Cable Diameter Range In. (cm)	Approx. Breaking Strength Lbs. (N)	Approximate Number Of Wires In One Grip										Model	Catalog Number
		#14 19 Strand	#12 19 Strand	#10 19 Strand	#8 19 Strand	#6 19 Strand	#4 19 Strand	#3 19 Strand	#2 19 Strand	#1 37 Strand	#1/0 37 Strand		
.25-.36 (.63-.91)	450 (2,002)	4-8	3-6	2-3	2	1	1	1	—	—	—	J 25	**03305001**
.37-.49 (.94-1.24)	900 (4,003)	9-16	6-11	4-6	3	2	—	—	1	1	1	J 37	**03305002**
.50-.61 (1.27-1.55)	1,300 (5,782)	16-25	11-17	7-10	4-5	3-4	2	2	—	—	—	J 50	**03305003**
.62-.74 (1.57-1.88)	1,950 (8,674)	26-37	18-25	11-14	6-8	5-6	3	3	2	2	—	J 62	**03305004**
.75-.99 (1.90-2.51)	2,800 (12,454)	37-66	26-47	15-27	9-16	6-11	4-7	4-5	3-4	3	2-3	J 75	**03305005**
1.00-1.24 (2.54-3.15)	3,900 (17,347)	66-104	47-74	28-43	16-24	11-17	8-10	6-8	5-7	4-5	4	J 100	**03305006**

R.H.H., R.H., R.W. and R.H.W. Building Wire

Cable Diameter Range In. (cm)	Approx. Breaking Strength Lbs. (N)	Approximate Number Of Wires In One Grip									Model	Catalog Number
		#14 7 Strand	#12 7 Strand	#10 7 Strand	#8 7 Strand	#6 7 Strand	#4 7 Strand	#2 7 Strand	#1 7 Strand	#1/0 19 Strand		
.25-.36 (.63-.91)	450 (2,002)	2	2	1	1	—	—	—	—	—	J 25	**03305001**
.37-.49 (.94-1.24)	900 (4,003)	3	2-3	2	—	1	1	1	—	—	J 37	**03305002**
.50-.61 (1.27-1.55)	1,300 (5,782)	4-5	4-5	3-4	2	—	—	—	1	—	J 50	**03305003**
.62-.74 (1.57-1.88)	1,950 (8,674)	6-8	6-7	4-5	3	2	2	—	—	1	J 62	**03305004**
.75-.99 (1.90-2.51)	2,800 (12,454)	9-16	8-14	6-10	4-6	3-4	3-4	2-3	2	—	J 75	**03305005**
1.00-1.24 (2.54-3.15)	3,900 (17,347)	16-24	15-22	11-16	7-10	5-7	4-6	4	3	2-3	J 100	**03305006**

T.H.W. Building Wire

Cable Diameter Range In. (cm)	Approx. Breaking Strength Lbs. (N)	Approximate Number Of Wires In One Grip									Model	Catalog Number
		#14 7 Strand	#12 7 Strand	#10 7 Strand	#8 7 Strand	#6 7 Strand	#4 7 Strand	#2 7 Strand	#1 7 Strand	#1/0 19 Strand		
.25-.36 (.63-.91)	450 (2,002)	2-4	2-3	2	1	1	1	—	—	—	J 25	**03305001**
.37-.49 (.94-1.24)	900 (4,003)	5-7	4-5	3-4	2	—	—	1	—	—	J 37	**03305002**
.50-.61 (1.27-1.55)	1,300 (5,782)	8-11	6-8	5-7	3-4	2	2	—	1	1	J 50	**03305003**
.62-.74 (1.57-1.88)	1,950 (8,674)	12-16	9-12	8-10	5-6	3-4	3	2	—	—	J 62	**03305004**
.75-.99 (1.90-2.51)	2,800 (12,454)	17-30	13-24	11-19	7-10	5-7	4-5	3-4	2	2	J 75	**03305005**
1.00-1.24 (2.54-3.15)	3,900 (17,347)	31-48	25-37	20-30	11-17	8-11	6-8	5-6	3-4	3	J 100	**03305006**

Support Grips - Heavy Duty, Standard Duty, Light Duty

Tin-Coated Bronze/Stainless Steel

Solid eye assemblies provide eye reinforcement at support hardware

Four eye styles available: single (shown), double, universal, and offset

Identification tag shows: catalog number, diameter range, agency approval, and bar code

The strand equalizer positions wires for equal loading throughout the entire grip length

The positive action mesh grip is designed for light duty up to heavy duty. Closed grips fit over the cable end, split grips wrap around the cable mid-span. The standard material is nonmagnetic, tin-coated bronze. Selected items are available in stainless steel. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments; contact the factory

The endless weave provides easy installation onto cable and can be easily repositioned

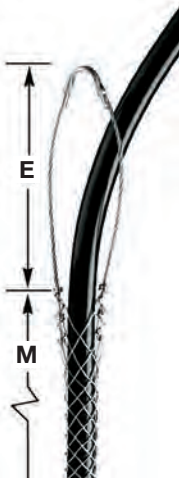
Standard Duty Support Grips

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Single Eye, Closed Mesh



For permanent support when cable end is available to be installed through grip.

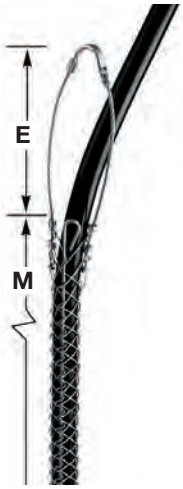
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M	Tin-Coated	
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	1,370 (6,094)	7" (17.78)	10" (25.40)	**02201013**	**02401013**
.63"-.74" (1.60-1.88)	790 (3,514)	2,060 (9,163)	8" (20.32)	10" (25.40)	**02201014**	**02401014**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,060 (9,163)	8" (20.32)	13" (33.02)	**02201015**	**02401015**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,678 (11,912)	9" (22.86)	14" (35.56)	**02201017**	**02401017**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,490 (19,972)	10" (25.40)	15" (38.10)	**02201018**	**02401018**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	4,492 (19,981)	12" (30.48)	17" (43.18)	**02201019**	**02401019**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	5,000 (22,241)	14" (35.56)	19" (48.26)	**02201020**	**02401020**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	8,940 (39,767)	16" (40.64)	21" (53.34)	**02201021**	**02401021**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	8,947 (39,798)	18" (45.72)	23" (58.42)	**02201022**	**02401022**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	13,420 (59,695)	21" (53.34)	25" (63.50)	**02201023**	**02401023**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	—	24" (60.96)	27" (68.58)	**02201024**	**—**

Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M	Tin-Coated	
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	1,370 (6,094)	7" (17.78)	10" (25.40)	**02202013**	**02402013**
.63"-.74" (1.60-1.88)	790 (3,514)	2,066 (9,190)	8" (20.32)	10" (25.40)	**02202014**	**02402014**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,060 (9,163)	8" (20.32)	13" (33.02)	**02202015**	**02402015**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,670 (11,876)	9" (22.86)	14" (35.56)	**02202017**	**02402017**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,490 (19,972)	10" (25.40)	15" (38.10)	**02202018**	**02402018**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	4,490 (19,972)	12" (30.48)	17" (43.18)	**02202019**	**02402019**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	4,375 (19,461)	14" (35.56)	19" (48.26)	**02202020**	**02402020**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	8,947 (39,798)	16" (40.64)	21" (53.34)	**02202021**	**02402021**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	8,940 (39,767)	18" (45.72)	23" (58.42)	**02202022**	**02402022**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	13,420 (59,695)	21" (53.34)	25" (63.50)	**02202023**	**02402023**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	13,420 (59,695)	24" (60.96)	27" (68.58)	**02202024**	**02402024**

Single Eye, Split Mesh, Rod Closing



For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M	Tin-Coated	
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	790 (3,514)	1,050 (4,670)	7" (17.78)	8.5" (21.59)	**02203013**	**02403013**
.63"-.74" (1.60-1.88)	790 (3,514)	2,050 (9,119)	8" (20.32)	8.5" (21.59)	**02203014**	**02403014**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,050 (9,119)	8" (20.32)	10.5" (26.67)	**02203015**	**02403015**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,650 (11,788)	9" (22.86)	12.5" (31.75)	**02203017**	**02403017**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,500 (20,017)	10" (25.40)	14.5" (36.83)	**02203018**	**02403018**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	4,500 (20,017)	12" (30.48)	15.5" (39.37)	**02203019**	**02403019**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	6,000 (26,689)	14" (35.56)	16.5" (41.91)	**02203020**	**02403020**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	8,950 (39,812)	16" (40.64)	19.5" (49.53)	**02203021**	**02403021**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	7,750 (34,474)	18" (45.72)	21.5" (54.61)	**02203022**	**02403022**
3.00"-3.49" (7.62-8.86)	5,750 (25,576)	8,500 (37,810)	21" (53.34)	23.5" (59.69)	**02203023**	**02403023**
3.50"-3.99" (8.89-10.13)	5,750 (25,576)	—	24" (60.96)	25.5" (64.77)	**02203024**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.

Standard Duty Support Grips

Double Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

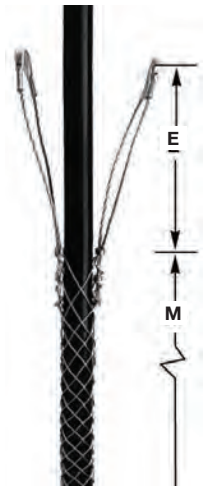
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

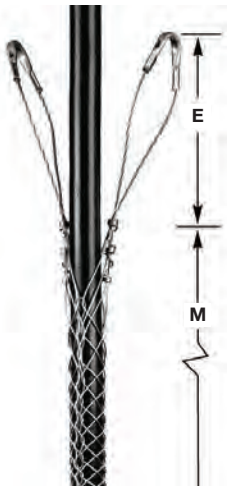
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	1,370 (6,094)	4" (10.16)	10" (25.40)	**02201001**	**02401001**
.63"-.74" (1.60-1.88)	790 (3,514)	2,060 (9,163)	4" (10.16)	10" (25.40)	**02201002**	**02401002**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,060 (9,163)	4" (10.16)	13" (33.02)	**02201003**	**02401003**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,670 (11,877)	5" (12.70)	14" (35.56)	**02201005**	**02401005**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,490 (19,972)	5" (12.70)	15" (38.10)	**02201006**	**02401006**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	4,490 (19,972)	5" (12.70)	17" (43.18)	**02201007**	**02401007**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	5,000 (22,241)	6" (15.24)	19" (48.26)	**02201008**	**02401008**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	8,940 (39,767)	6" (15.24)	21" (53.34)	**02201009**	**02401009**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	8,940 (39,767)	6" (15.24)	23" (58.42)	**02201010**	**02401010**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	12,000 (53,379)	8" (20.32)	25" (63.50)	**02201011**	**02401011**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	12,000 (53,379)	8" (20.32)	27" (68.58)	**02201012**	**02401012**



Double Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	—	4" (10.16)	10" (25.40)	**02202001**	**—**
.63"-.74" (1.60-1.88)	790 (3,514)	2,066 (9,190)	4" (10.16)	10" (25.40)	**02202002**	**02402002**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,060 (9,163)	4" (10.16)	13" (33.02)	**02202003**	**02402003**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,678 (11,912)	5" (12.70)	14" (35.56)	**02202005**	**02402005**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,490 (19,972)	5" (12.70)	15" (38.10)	**02202006**	**02402006**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	3,750 (16,681)	5" (12.70)	17" (43.18)	**02202007**	**02402007**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	5,000 (22,241)	6" (15.24)	19" (48.26)	**02202008**	**02402008**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	8,940 (39,767)	6" (15.24)	21" (53.34)	**02202009**	**02402009**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	—	6" (15.24)	23" (58.42)	**02202010**	**—**
3.00"-3.49" (7.62-8.86)	4,900 (21,795)	—	8" (20.32)	25" (63.50)	**02202011**	**—**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	—	8" (20.32)	27" (68.58)	**02202012**	**—**

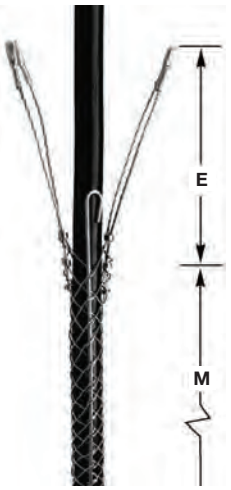


Double Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	790 (3,514)	—	4" (10.16)	6.5"	**02203001**	**—**
.63"-.74" (1.60-1.88)	790 (3,514)	2,050 (9,119)	4" (10.16)	8.5" (21.59)	**02203002**	**02403002**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,050 (9,119)	4" (10.16)	10.5" (26.67)	**02203003**	**02403003**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,650 (11,788)	5" (12.70)	12.5" (31.75)	**02203005**	**02403005**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	3,750 (16,681)	5" (12.70)	14.5" (36.83)	**02203006**	**02403006**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	3,750 (16,681)	5" (12.70)	15.5" (39.37)	**02203007**	**02403007**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	5,000 (22,241)	6" (15.24)	16.5" (41.91)	**02203008**	**02403008**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	8,950 (39,812)	6" (15.24)	19.5" (49.53)	**02203009**	**02403009**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	8,950 (39,812)	6" (15.24)	21.5" (54.61)	**02203010**	**02403010**
3.00"-3.49" (7.62-8.86)	5,750 (25,576)	11,150 (49,598)	8" (20.32)	23.5" (59.69)	**02203011**	**02403011**
3.50"-3.99" (8.89-10.13)	5,750 (25,576)	—	8" (20.32)	25.5" (64.77)	**02203012**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.



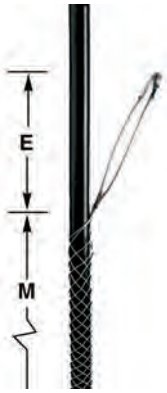
Standard Duty Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Offset Eye, Closed Mesh



For permanent support when cable end is available to be installed through grip.

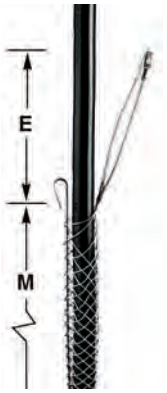
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M	Tin-Coated	
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	1,370 (6,094)	4" (10.16)	10" (25.40)	**02201037**	**02401037**
.63"-.74" (1.60-1.88)	750 (3,336)	1,950 (8,674)	4" (10.16)	10" (25.40)	**02201038**	**02401038**
.75"-.99" (1.90-2.51)	950 (4,226)	2,060 (9,163)	4" (10.16)	13" (33.02)	**02201039**	**02401039**
1.00"-1.24" (2.54-3.15)	1,500 (6,672)	2,678 (11,912)	5" (12.70)	14" (35.56)	**02201041**	**02401041**
1.25"-1.49" (3.17-3.78)	1,500 (6,672)	4,490 (19,972)	5" (12.70)	15" (38.10)	**02201042**	**02401042**
1.50"-1.74" (3.81-4.42)	1,500 (6,672)	3,700 (16,458)	5" (12.70)	17" (43.18)	**02201043**	**02401043**
1.75"-1.99" (4.44-5.05)	2,000 (8,896)	4,375 (19,461)	6" (15.24)	19" (48.26)	**02201044**	**02401044**
2.00"-2.49" (5.08-6.32)	3,100 (13,789)	5,500 (24,465)	9" (22.86)	21" (53.34)	**02201045**	**02401045**
2.50"-2.99" (6.35-7.59)	3,100 (13,789)	—	9" (22.86)	23" (58.42)	**02201046**	**—**
3.00"-3.49" (7.62-8.86)	3,800 (16,902)	—	11" (27.94)	25" (63.50)	**02201047**	**—**
3.50"-3.99" (8.89-10.13)	3,250 (14,480)	—	11" (27.94)	27" (68.58)	**02201048**	**—**

Offset Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M	Tin-Coated	
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	500 (2,224)	1,370 (6,094)	4" (10.16)	10" (25.40)	**02202037**	**02402037**
.63"-.74" (1.60-1.88)	750 (3,336)	1,952 (8,683)	4" (10.16)	10" (25.40)	**02202038**	**02402038**
.75"-.99" (1.90-2.51)	950 (4,226)	2,060 (9,163)	4" (10.16)	13" (33.02)	**02202039**	**02402039**
1.00"-1.24" (2.54-3.15)	1,500 (6,672)	2,670 (11,877)	5" (12.70)	14" (35.56)	**02202041**	**02402041**
1.25"-1.49" (3.17-3.78)	1,500 (6,672)	4,490 (19,972)	5" (12.70)	15" (38.10)	**02202042**	**02402042**
1.50"-1.74" (3.81-4.42)	1,500 (6,672)	4,490 (19,972)	5" (12.70)	17" (43.18)	**02202043**	**02402043**
1.75"-1.99" (4.44-5.05)	1,800 (8,006)	4,375 (19,461)	6" (15.24)	19" (48.26)	**02202044**	**02402044**
2.00"-2.49" (5.08-6.32)	2,150 (9,563)	5,500 (24,465)	9" (22.86)	21" (53.34)	**02202045**	**02402045**
2.50"-2.99" (6.35-7.59)	2,150 (9,563)	5,500 (24,465)	9" (22.86)	23" (58.42)	**02202046**	**02402046**
3.00"-3.49" (7.62-8.86)	3,250 (14,480)	10,190 (45,327)	11" (27.94)	25" (63.50)	**02202047**	**02402047**
3.50"-3.99" (8.89-10.13)	3,250 (14,480)	—	11" (27.94)	27" (68.58)	**02202048**	**—**

Offset Eye, Split Mesh, Rod Closing



For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M	Tin-Coated	
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	500 (2,224)	1,000 (4,448)	4" (10.16)	7" (17.78)	**02203037**	**02403037**
.63"-.74" (1.60-1.88)	750 (3,336)	1,950 (8,674)	4" (10.16)	9" (22.86)	**02203038**	**02403038**
.75"-.99" (1.90-2.51)	950 (4,226)	1,950 (8,674)	4" (10.16)	10" (25.40)	**02203039**	**02403039**
1.00"-1.24" (2.54-3.15)	1,500 (6,672)	2,500 (11,121)	5" (12.70)	12" (30.48)	**02203041**	**02403041**
1.25"-1.49" (3.17-3.78)	1,500 (6,672)	4,200 (18,683)	5" (12.70)	14" (35.56)	**02203042**	**02403042**
1.50"-1.74" (3.81-4.42)	1,500 (6,672)	4,500 (20,017)	5" (12.70)	15" (38.10)	**02203043**	**02403043**
1.75"-1.99" (4.44-5.05)	2,000 (8,896)	4,375 (19,461)	6" (15.24)	16" (40.64)	**02203044**	**02403044**
2.00"-2.49" (5.08-6.32)	3,100 (13,789)	8,350 (37,143)	9" (22.86)	19" (48.26)	**02203045**	**02403045**
2.50"-2.99" (6.35-7.59)	3,100 (13,789)	—	9" (22.86)	20" (50.80)	**02203046**	**—**
3.00"-3.49" (7.62-8.86)	4,300 (19,126)	8,400 (37,365)	11" (27.94)	21" (53.34)	**02203047**	**02403047**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	—	11" (27.94)	21" (53.34)	**02203048**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.

Standard Duty Support Grips

Universal Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Universal Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	1,370 (6,094)	18" (45.72	10" (25.40)	**02201051**	**02401051**
.63"-.74" (1.60-1.88)	790 (3,514)	2,060 (9,163)	18" (45.72)	10" (25.40)	**02201052**	**02401052**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,066 (9,190)	18" (45.72)	13" (33.02)	**02201053**	**02401053**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	—	18" (45.72)	14" (35.56)	**02201050**	**—**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,490 (19,972)	18" (45.72)	15" (38.10)	**02201054**	**02401054**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	4,490 (19,972)	18" (45.72)	17" (43.18)	**02201055**	**02401055**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	—	18" (45.72)	19" (48.26)	**02201056**	**02401056**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	—	18" (45.72)	21" (53.34)	**02201057**	**02401057**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	—	18" (45.72)	23" (58.42)	**02201058**	**02401058**

Universal Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530 (2,357)	—	18" (45.72	10" (25.40)	**02202050**	**—**
.63"-.74" (1.60-1.88)	790 (3,514)	2,060 (9,163)	18" (45.72)	10" (25.40)	**02202051**	**02402051**
.75"-.99" (1.90-2.51)	1,020 (4,537)	—	18" (45.72)	13" (33.02)	**02202052**	**—**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	—	18" (45.72)	14" (35.56)	**02202054**	**—**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	—	18" (45.72)	15" (38.10)	**02202055**	**—**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	—	18" (45.72)	17" (43.18)	**02202056**	**—**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	—	18" (45.72)	19" (48.26)	**02202057**	**—**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	—	18" (45.72)	21" (53.34)	**02202058**	**—**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	—	18" (45.72)	23" (58.42)	**02202059**	**—**
3.50"-3.99" (8.89-10.13)	4,900 (21,795)	—	18" (45.72)	27" (68.58)	**02202061**	**—**

Universal Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	790 (3,514)	—	18" (45.72	8.5" (21.59)	**02203064**	**—**
.63"-.74" (1.60-1.88)	790 (3,514)	2,050 (9,119)	18" (45.72)	8.5" (21.59)	**02203065**	**02403065**
.75"-.99" (1.90-2.51)	1,020 (4,537)	2,050 (9,119)	18" (45.72)	10.5" (26.67)	**02203066**	**02403066**
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	2,650 (11,788)	18" (45.72)	12.5" (31.75)	**02203068**	**02403068**
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	4,500 (20,017)	18" (45.72)	14.5" (36.83)	**02203069**	**02403069**
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	4,500 (20,017)	18" (45.72)	15.5" (39.37)	**02203070**	**02403070**
1.75"-1.99" (4.44-5.05)	2,150 (9,563)	—	18" (45.72)	16.5" (41.91)	**02203071**	**—**
2.00"-2.49" (5.08-6.32)	3,260 (14,500)	—	18" (45.72)	19.5" (49.53)	**02203072**	**—**
2.50"-2.99" (6.35-7.59)	3,260 (14,500)	—	18" (45.72)	21.5" (54.61)	**02203073**	**—**
3.00"-3.49" (7.62-8.86)	5,750 (25,576)	—	18" (45.72)	23.5" (59.69)	**02203074**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.

Heavy Duty Support Grips

Single Eye, Double Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT

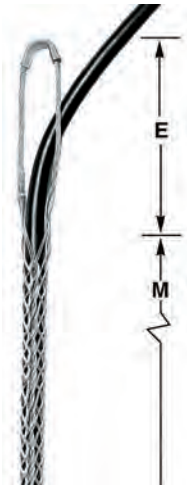
Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Heavy Duty, Single Eye, Closed Mesh

For heavy duty permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820 (12,543)	4,200 (18,683)	10" (25.40)	25" (63.50)	**02206010**	**02406010**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	7,300 (32,472)	12" (30.48)	28" (71.12)	**02206011**	**02406011**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	7,300 (32,472)	12" (30.48)	30" (76.20)	**02206012**	**02406012**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	11,150 (49,598)	12" (30.48)	34" (86.36)	**02206013**	**02406013**

Single Eye, Split Mesh, Lace Closing



For permanent support when cable end is not available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E	M		
	Tin-Coated Bronze	Stainless Steel	Inches (cm)	Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820 (12,543)	4,200 (18,683)	10" (25.40)	25" (63.50)	**02207010**	**02407010**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	7,300 (32,472)	12" (30.48)	28" (71.12)	**02207011**	**02407011**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	7,300 (32,472)	12" (30.48)	30" (76.20)	**02207012**	**02407012**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	11,150 (49,598)	12" (30.48)	34" (86.36)	**02207013**	**02407013**

Note: E-Eye length. M-Mesh length at nominal diameter.

Heavy Duty Support Grips

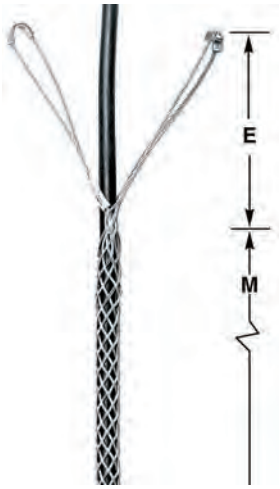
Double Eye, Double Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Double Eye, Closed Mesh

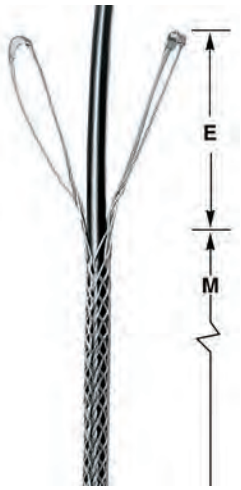
For permanent support when cable end is available to be installed through grip.



Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820 (12,543)	4,250 (18,905)	10" (25.40)	25" (63.50)	**02206001**	**02406001**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	7,300 (32,472)	10" (25.40)	28" (71.12)	**02206002**	**02406002**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	7,300 (32,472)	10" (25.40)	30" (76.20)	**02206003**	**02406003**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	11,100 (49,375)	10" (25.40)	34" (86.36)	**02206004**	**02406004**
2.00"-2.49" (5.08-6.32)	8,050 (35,806)	20,100 (89,409)	12" (30.48)	36" (91.44)	**02206005**	**02406005**
2.50"-2.99" (6.35-7.59)	8,050 (35,806)	20,100 (89,409)	12" (30.48)	38" (96.52)	**02206006**	**02406006**
3.00"-3.49" (7.62-8.86)	10,060 (44,747)	25,200 (112,095)	12" (30.48)	40" (101.60)	**02206007**	**02406007**
3.50"-3.99" (8.89-10.13)	12,070 (53,687)	—	12" (30.48)	44" (111.76)	**02206008**	**—**
4.00"-4.49" (10.16-11.40)	12,070 (53,687)	—	12" (30.48)	46" (116.84)	**02206009**	**—**
4.50"-4.99" (11.43-12.67)	12,070 (53,687)	—	12" (30.48)	68" (172.72)	**02208009**	**—**

Double Eye, Split Mesh, Lace Closing

For support when cable end is not available.



Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820 (12,543)	4,250 (18,905)	10" (25.40)	25" (63.50)	**02207001**	**02407001**
1.00"-1.24" (2.54-3.15)	4,280 (19,037)	7,300 (32,472)	10" (25.40)	28" (71.12)	**02207002**	**02407002**
1.25"-1.49" (3.17-3.78)	4,280 (19,037)	7,300 (32,472)	10" (25.40)	30" (76.20)	**02207003**	**02407003**
1.50"-1.99" (3.81-5.05)	4,280 (19,037)	11,150 (49,598)	10" (25.40)	34" (86.36)	**02207004**	**02407004**
2.00"-2.49" (5.08-6.32)	8,050 (35,806)	20,150 (89,632)	12" (30.48)	36" (91.44)	**02207005**	**02407005**
2.50"-2.99" (6.35-7.59)	8,050 (35,806)	20,150 (89,632)	12" (30.48)	38" (96.52)	**02207006**	**02407006**
3.00"-3.49" (7.62-8.86)	10,060 (44,747)	25,200 (112,095)	12" (30.48)	40" (101.60)	**02207007**	**02407007**
3.50"-3.99" (8.89-10.13)	12,070 (53,687)	30,200 (134,336)	12" (30.48)	44" (111.76)	**02207008**	**02407008**
4.00"-4.49" (10.16-11.40)	12,070 (53,687)	30,200 (134,336)	12" (30.48)	46" (116.84)	**02207009**	**02407009**
4.50"-4.99" (11.43-12.67)	12,070 (53,687)	—	12" (30.48)	68" (172.72)	**02209009**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.

Service Drop Grips

Single Eye, Tin-Coated Bronze and Stainless Steel

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Light Duty, Single Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

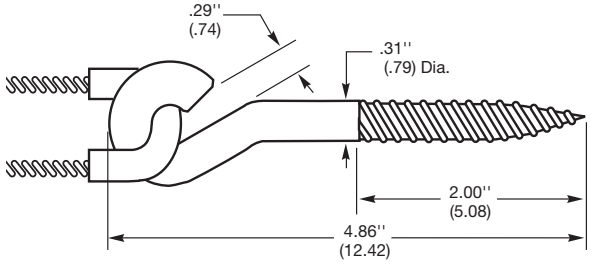
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel				
.23"-.31" (.58-.79)	290 (1,290)	700 (3,114)	3" (7.62)	3.75" (9.52)	**02216001**	**02416001**
.29"-.37" (.74-.94)	290 (1,290)	700 (3,114)	5" (12.70)	4.25" (10.79)	**02216002**	**02416002**
.35"-.44" (.89-1.12)	500 (2,224)	850 (3,781)	5.5" (13.97)	4.75" (12.06)	**02216003**	**02416003**
.41"-.50" (1.04-1.27)	500 (2,224)	850 (3,781)	5.5" (13.97)	5" (12.70)	**02216004**	**02416004**
.46"-.56" (1.17-1.42)	660 (2,936)	850 (3,781)	6" (15.24)	5.25" (13.33)	**02216005**	**02416005**
.52"-.62" (1.32-1.57)	790 (3,514)	1,050 (4,670)	7" (17.78)	6.25" (15.87)	**02216006**	**02416006**
.58"-.68" (1.47-1.73)	790 (3,514)	1,050 (4,670)	7" (17.78)	6¹ " (16.51)	**02216007**	**02416007**
.64"-.75" (1.63-1.90)	790 (3,514)	1,050 (4,670)	7" (17.78)	6.75" (17.14)	**02216008**	**02416008**
.70"-.81" (1.78-2.06)	790 (3,514)	2,050 (9,119)	7" (17.78)	7.25" (18.41)	**02216009**	**02416009**
.75"-.87" (1.90-2.21)	1,020 (4,537)	2,050 (9,119)	8" (20.32)	8" (20.32)	**02216010**	**02416010**
.81"-.94" (2.06-2.39)	1,020 (4,537)	2,050 (9,119)	8" (20.32)	8.25" (20.95)	**02216011**	**02416011**
.87"-1.00" (2.21-2.54)	1,020 (4,537)	—	8" (20.32)	8.75" (22.22)	**02216012**	**—**
.94"-1.06" (2.39-2.69)	1,020 (4,537)	2,050 (9,119)	9" (22.86)	9" (22.86)	**02216013**	**02416013**
1.00"-1.18" (2.54-3.00)	1,020 (4,537)	2,050 (9,119)	9" (22.86)	9.5" (24.13)	**02216014**	**02416014**
1.06"-1.25" (2.69-3.17)	1,020 (4,537)	2,050 (9,119)	9" (22.86)	9.5" (24.13)	**02216015**	**02416015**

Heavy Duty, Single Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel				
.23"-.31" (.58-.79)	500 (2,224)	1,400 (6,228)	5" (12.70)	4.5" (11.43)	**02217001**	**02417001**
.29"-.37" (.74-.94)	500 (2,224)	1,150 (5,115)	5" (12.70)	5.5" (13.97)	**02217002**	**02417002**
.35"-.44" (.89-1.12)	870 (3,870)	1,700 (7,562)	6" (15.24)	6.5" (16.51)	**02217003**	**02417003**
.41"-.50" (1.04-1.27)	870 (3,870)	1,700 (7,562)	6" (15.24)	7.5" (19.05)	**02217004**	**02417004**
.46"-.56" (1.17-1.42)	1,050 (4,670)	2,100 (9,341)	6" (15.24)	8" (20.32)	**02217005**	**02417005**
.52"-.62" (1.32-1.57)	1,050 (4,670)	2,100 (9,341)	7" (17.78)	8.5" (21.59)	**02217006**	**02417006**
.58"-.68" (1.47-1.73)	1,050 (4,670)	2,100 (9,341)	7" (17.78)	9.5" (24.13)	**02217007**	**02417007**
.64"-.75" (1.63-1.90)	1,390 (6,183)	4,161 (18,509)	7" (17.78)	9.5" (24.13)	**02217008**	**02417008**
.70"-.81" (1.78-2.06)	1,390 (6,183)	4,100 (18,238)	8" (20.32)	10.5" (26.67)	**02217009**	**02417009**
.75"-.87" (1.90-2.21)	1,390 (6,183)	—	8" (20.32)	10.5" (26.67)	**02217010**	**—**
.81"-.94" (2.06-2.39)	1,390 (6,183)	—	8" (20.32)	10.5" (26.67)	**02217011**	**—**
.87"-1.00" (2.21-2.54)	1,790 (7,962)	5,350 (23,798)	8" (20.32)	11.5" (29.21)	**02217012**	**02417012**
.94"-1.06" (2.39-2.69)	1,790 (7,962)	5,300 (23,576)	9" (22.86)	12.5" (31.75)	**02217013**	**02417013**
1.00"-1.18" (2.54-3.00)	1,790 (7,962)	5,300 (23,576)	9" (22.86)	13.5" (34.29)	**02217014**	**02417014**
1.06"-1.25" (2.69-3.17)	1,790 (7,962)	5,350 (23,798)	9" (22.86)	14.5" (36.83)	**02217015**	**02417015**

Note: E-Eye length. M-Mesh length at nominal diameter.



Screw Hook
Catalog Number **20303001**
Yield Strength 900 lbs (4003 N)

Service Drop Grips

Universal Eye, Tin-Coated Bronze

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

Light Duty, Universal Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	290 (1,290)	9" (22.86)	3.75" (9.52)	**02216016**
.29"-.37" (.74-.94)	290 (1,290)	10" (25.40)	4.25" (10.79)	**02216017**
.35"-.44" (.89-1.12)	500 (2,224)	10" (25.40)	4.75" (12.06)	**02216018**
.41"-.50" (1.04-1.27)	500 (2,224)	11" (27.94)	5" (12.70)	**02216019**
.46"-.56" (1.17-1.42)	660 (2,936)	12" (30.48)	5.25" (13.33)	**02216020**
.52"-.62" (1.32-1.57)	790 (3,514)	13" (33.02)	6.25" (15.87)	**02216021**
.58"-.68" (1.47-1.73)	790 (3,514)	13" (33.02)	6.5" (16.51)	**02216022**
.64"-.75" (1.63-1.90)	790 (3,514)	13" (33.02)	6.75" (17.14)	**02216023**
.70"-.81" (1.78-2.06)	790 (3,514)	13" (33.02)	7.25" (18.41)	**02216024**
.75"-.87" (1.90-2.21)	1,020 (4,537)	14" (35.56)	8" (20.32)	**02216025**
.81"-.94" (2.06-2.39)	1,020 (4,537)	14" (35.56)	8.25" (20.95)	**02216026**
.87"-1.00" (2.21-2.54)	1,020 (4,537)	14" (35.56)	8.75" (22.22)	**02216027**
.94"-1.06" (2.39-2.69)	1,020 (4,537)	15" (38.10)	9" (22.86)	**02216028**
1.00"-1.18" (2.54-3.00)	1,020 (4,537)	15" (38.10)	9.5" (24.13)	**02216029**
1.06"-1.25" (2.69-3.17)	1,020 (4,537)	15" (38.10)	9.5" (24.13)	**02216030**

Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	500 (2,224)	11" (27.94)	4.5" (11.43)	**02217016**
.28"-.37" (.74-.94)	500 (2,224)	11" (27.94)	5.5" (13.97)	**02217017**
.35"-.44" (.89-1.12)	870 (3,870)	12" (30.48)	6.5" (16.51)	**02217018**
.41"-.50" (1.04-1.27)	870 (3,870)	12" (30.48)	7.5" (19.05)	**02217019**
.46"-.56" (1.17-1.42)	1,050 (4,670)	12" (30.48)	8" (20.32)	**02217020**
.52"-.62" (1.32-1.57)	1,050 (4,670)	13" (33.02)	8.5" (21.59)	**02217021**
.58"-.68" (1.47-1.73)	1,050 (4,670)	13" (33.02)	9.5" (24.13)	**02217022**
.64"-.75" (1.63-1.90)	1,390 (6,183)	13" (33.02)	9.5" (24.13)	**02217023**
.70"-.81" (1.78-2.06)	1,390 (6,183)	14" (35.56)	10.5" (26.67)	**02217024**
.75"-.87" (1.90-2.21)	1,390 (6,183)	14" (35.56)	10.5" (26.67)	**02217025**
.81"-.94" (2.06-2.39)	1,390 (6,183)	14" (35.56)	10.5" (26.67)	**02217026**
.87"-1.00" (2.21-2.54)	1,790 (7,962)	14" (35.56)	11.5" (29.21)	**02217027**
.94"-1.06" (2.39-2.69)	1,790 (7,962)	15" (38.10)	12.5" (31.75)	**02217028**
1.00"-1.18" (2.54-3.00)	1,790 (7,962)	15" (38.10)	13.5" (34.29)	**02217029**
1.06"-1.25" (2.69-3.17)	1,790 (7,962)	15" (38.10)	14.5" (36.83)	**02217030**

Note: E-Eye length. M-Mesh length at nominal diameter.

IMPORTANT
Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.

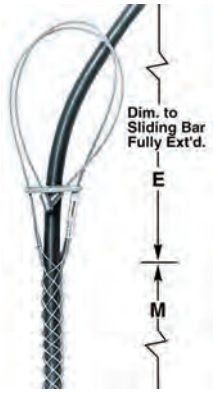
Safety Spring

Maximum Deflection Inches/Lbs (cm/N)	Approx. Breaking Strength Lbs. (N)	Length* Inches (cm)	Diameter Inches (cm)	Model Lbs. (N)	Catalog Number
2¾" at 40 lbs. (6.98 at 178)	500 (2,224)	8.25" (20.95)	.75" (1.90)	40 lb. spring (178)	**20302001**
3⅛" at 80 lbs. (7.94 at 356)	850 (3,781)	8.25" (20.95)	1" (2.54)	80 lb. spring (356)	**20302002**

Note: Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.
**No load.*

Single Eye, Wide Range

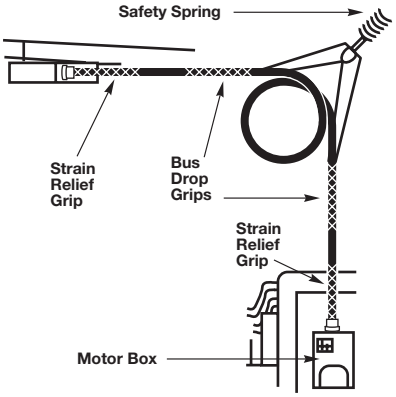
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.24"-.32" (.61-.81)	350 (1,557)	3" (7.62)	3.5" (8.89)	**073041276****
.32"-.43" (.81-1.09)	450 (2,002)	4" (10.16)	4" (10.16)	**073041277**
.43"-.56" (1.09-1.42)	550 (2,446)	6" (15.24)	4.75" (12.06)	**073041278**
.56"-.73" (1.42-1.85)	1,000 (4,448)	7" (17.78)	6" (15.24)	**073041279**
.73"-.85" (1.85-2.16)	1,400 (6,227)	7" (17.78)	6.75" (17.14)	**073041280**
.85"-1.00" (2.16-2.54)	1,400 (6,227)	8" (20.32)	8" (20.32)	**073041281**
1.00"-1.25" (2.54-3.17)	1,500 (6,672)	9" (22.86)	9.5" (24.13)	**073041282**



Universal Eye, Wide Range

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43" (.81-1.09)	450 (2,002)	10" (25.40)	4" (10.16)	**073041284**
.43"-.56" (1.09-1.42)	550 (2,446)	12" (30.48)	4.75" (12.06)	**073041285**
.56"-.73" (1.42-1.85)	1,000 (4,448)	13" (33.02)	6" (15.24)	**073041286**
.73"-.85" (1.85-2.16)	1,400 (6,227)	13" (33.02)	6.75" (17.14)	**073041287**
.85"-1.00" (2.16-2.54)	1,400 (6,227)	14" (35.56)	8" (20.32)	**073041288**
1.00"-1.25" (2.54-3.17)	1,500 (6,672)	15" (38.10)	9.5" (24.13)	**073041289**

Note: E-Eye length. M-Mesh length at nominal diameter.
***Item indicated is not UL listed.*



Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.

Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

- Easily installed.
- Absorb tension, vibration and pull with no cable damage.
- Patented mesh construction.

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Conduit Riser Grips

Ring Type, Single Weave, Tin-Coated Bronze

Single Weave, Closed Mesh

Kellems® Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to page V-45 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. The ring will fit standard electrical rigid metal conduit and schedule 40 rigid PVC conduit only. See page V-40 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 and V-45.

Suitable For Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.50"- .62" (1.27-1.57)	.63"-.74" (1.60-1.88)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50" -2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50"- 3.99" (8.89-10.13)
Model	**R050**	**R062**	**R075**	**R100**	**R125**	**R150**	**R175**	**R200**	**R250**	**R300**	**R350**
Length In. (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)										
¾	**02211106** 530 (2,357)	–	–	–	–	–	–	–	–	–	–
1	**02211100** 490 (2,179)	**02211101** 790 (3,514)	–	–	–	–	–	–	–	–	–
1¼	**02211001** 450 (2,002)	**02211002** 740 (3,292)	**02211003** 1,030 (4,581)	–	–	–	–	–	–	–	–
1½	–	**02211006** 690 (3,069)	**02211007** 970 (4,315)	**02211009** 1,610 (7,161)	–	–	–	–	–	–	–
2	–	**02211107** 640 (2,847)	**02211010** 920 (4,092)	**02211012** 1,520 (6,761)	**02211013** 1,610 (7,161)	–	–	–	–	–	–
2½	–	–	–	–	**02211017** 1,510 (6,716)	**02211018** 1,610 (7,161)	**02211019** 2,150 (9,563)	–	–	–	–
3	–	–	–	**02211022** 1,340 (5,960)	**02211023** 1,400 (6,227)	**02211024** 1,490 (6,627)	**02211025** 1,990 (8,851)	**02211026** 3,260 (14,500)	–	–	–
3½	–	–	–	–	–	–	–	**02211033** 2,970 (13,211)	**02211034** 3,260 (14,500)	–	–
4	–	–	–	–	–	–	**02211040** 1,670 (7,248)	**02211041** 2,680 (11,921)	**02211042** 2,890 (12,855)	**02211043** 4,080 (18,148)	–
5	–	–	–	–	–	–	–	–	**02211061** 2,150 (9,563)	**02211062** 2,860 (12,721)	**02211063** 3,130 (13,922)
6	–	–	–	–	–	–	–	–	–	**02211072** 2,245 (9,986)	**02211073** 2,245 (9,986)

Note: See page V-45 for multiple cables in a single conduit riser grip.

Conduit Riser Grips

Ring Type, Double Weave, Tin-Coated Bronze

Double Weave, Split Mesh, Lace Closing

Kellems® Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page V-40 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only. For permanent support when cable end is not available.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 and V-45.

Suitable For Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	**RS075**	**RS100**	**RS125**	**RS150**	**RS175**	**RS200**	**RS250**	**RS300**	**RS350**
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)								
1¼	**02212003** 1,580 (7,028)	—	—	—	—	—	—	—	—
1½	**02212007** 1,500 (6,672)	—	—	—	—	—	—	—	—
2	**02212010** 1,430 (6,361)	**02212012** 1,930 (8,585)	**02212013** 2,040 (9,074)	—	—	—	—	—	—
2½	—	—	**02212017** 1,910 (8,496)	**02212018** 2,040 (9,074)	—	—	—	—	—
3	—	—	**02212023** 1,780 (7,917)	**02212024** 1,890 (8,407)	**02212025** 2,520 (11,209)	**02212026** 4,300 (19,126)	—	—	—
3½	—	—	—	—	—	**02212033** 3,910 (17,392)	**02212034** 4,300 (19,126)	—	—
4	—	—	—	—	**02212040** 2,110 (9,385)	**02212041** 3,530 (15,701)	**02212042** 3,820 (16,991)	**02212043** 5,380 (23,930)	—
5	—	—	—	—	—	—	**02212061** 2,860 (12,721)	—	—
6	—	—	—	—	—	—	—	—	**02212073** 2,955 (13,144)

Note: See page V-45 for multiple cables in a single conduit riser grip.

Conduit Riser Grips

Ring Type, Single Weave, Tin-Coated Bronze

Single Weave, Split Mesh, Rod Closing Benefits

- Easy and fast to install.
- Will not damage electrical cable.
- Allows cable to expand or contract.
- Ideal way to hold cable in vertical conduit.
- Prevents cable creep in conduit.
- Helps prevent cable pullouts.
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.
- For support when cable end is not available.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 and V-45.

Suitable For Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	**RR075**	**RR100**	**RR125**	**RR150**	**RR175**	**RR200**	**RR250**	**RR300**	**RR350**
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)								
1¼	**02213003** 1,020 (4,537)	—	—	—	—	—	—	—	—
1½	**02213007** 970 (4,315)	**02213009** 1,610 (7,161)	—	—	—	—	—	—	—
2	—	**02213012** 1,520 (6,761)	**02213013** 1,610 (7,161)	—	—	—	—	—	—
2½	—	—	**02213017** 1,510 (6,716)	**02213018** 1,610 (7,161)	—	—	—	—	—
3	—	—	**02213023** 1,400 (6,227)	**02213024** 1,490 (6,627)	**02213025** 1,990 (8,851)	**02213026** 3,260 (14,500)	—	—	—
3½	—	—	—	—	—	**02213033** 2,970 (13,211)	—	—	—
4	—	—	—	—	—	**02213041** 2,670 (11,876)	**02213042** 2,890 (12,855)	—	—

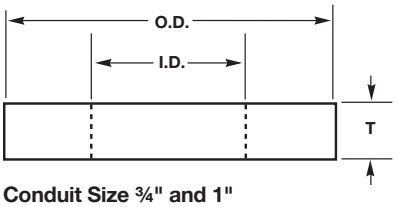
Note: See page V-45 for multiple cables in a single conduit riser grip.

Conduit Ring Dimensions

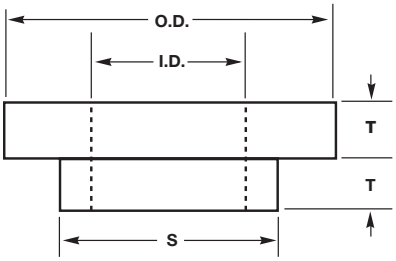
Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-45.



Conduit Size ¾" and 1"



Conduit Size 1¼" to 6"

Conduit Size Inches	Ring Number	O.D. Inches (cm)	I.D. Inches (cm)	S Inches (cm)	T Inches (cm)
¾	C-¾	.94" (2.39)	.62" (1.57)	—	.19" (.48)
1	C-1	1.17" (2.97)	.80" (2.03)	—	.19" (.48)
1¼	C-1¼	1.50" (3.81)	1.03" (2.62)	1.31" (3.33)	.16" (.41)
1½	C-1½	1.76" (4.47)	1.23" (3.12)	1.52" (3.86)	.16" (.41)
2	C-2	2.23" (5.66)	1.55" (3.94)	1.97" (5.00)	.16" (.41)
2½	C-2½	2.67" (6.78)	2.05" (5.21)	2.40" (6.10)	.16" (.41)
3	C-3	3.20" (8.13)	2.55" (6.48)	2.97" (7.54)	.22" (.56)
3½	C-3½	3.80" (9.65)	3.05" (7.75)	3.47" (8.81)	.22" (.56)
4	C-4	4.30" (10.92)	3.55" (9.02)	3.94" (10.01)	.22" (.56)
4½	C-4½	4.80" (12.19)	4.03" (10.24)	4.45" (11.30)	.22" (.56)
5	C-5	5.30" (13.46)	4.46" (11.33)	4.96" (12.60)	.22" (.56)
6	C-6	6.30" (16.00)	5.36" (13.61)	5.96" (15.14)	.25" (.63)

Kellems® Support Grips

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 SST for severe service or unusual environmental conditions, are available on request.

Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the Kellems chart below to determine the grip style best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 5 Where available, select an eye style that suits your needs.

Step 6 Select the proper material—tinned bronze or stainless steel*.

Step 7 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page V-42 for safety and working load considerations.

CAUTION: It is very important to comply with all of the following precautions.

1. Support grips are to be installed by a qualified individual in accordance with all applicable national and local safety, electrical and rigging codes.
2. Ensure that the correct grip is selected for your specific needs.
3. Do not use a support grip for any application other than supporting cable.
4. Thoroughly examine the grip for damage. Do not use a damaged grip.
5. Ensure that the recommended work load of the grip is suitable for the application. Never use grips at their approximated rated breaking strength. A safety factor of 10 is recommended for support grips.
6. Do not alter grips in any way. For example, do not flatten, straighten, bend or otherwise modify eye tubes, hooks, and strand equalizers.
7. Do not attach any type of hook, clamp or other hardware directly to the stranded bale of a “U” eye support grip. The formed eye tube is the only acceptable means of attachment to external hardware.
8. Always apply 2 bands at 1" and 2" respectively, from the tail end of the mesh to guard against accidental release of the grip. Accidental release can occur if an object contracts and pushes against the tail end of the mesh, thereby expanding and releasing it’s hold.

Support Grip Selection Chart

Grip Styles	Application	Page
Closed mesh	Standard, permanent support, cable end available.	V-28 to V-36
Split lace closing	Standard, permanent support, cable end unavailable.	V-28 to V-33
Split rod closing	Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support.	V-28 to V-31
Material*	Tin-coated bronze standard or stainless steel by special request.	V-28 to V-34
Standard support grips	Support vertical runs to 99 ft. loads to 600 lbs.	V-28 to V-31
Heavy duty grips	Support vertical runs over 100 ft. loads over 600 lbs.	V-32, V-33
Service drop	Light duty to support service entrance cable.	V-34, V-35
Bus drop	Light duty support, indoors only, on Bus drop cable.	V-36
Conduit riser	Support cable runs in rigid (Schedule 40) conduit.	V-37 to V-39
Fiber optic cable support grips	Support fiber optic cable.	V-50

*Note: *Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0x-xxx to 024-0x-xxx. Consult Technical Service for details.*

Eye Styles

Single

Double

Universal

Offset

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support Grips	1,610 (7,161)	10	161 (716)	**02202019**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Support Grip Materials

Material	Features	Grip Type
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips • Service drop grips • Conduit riser grips
Stainless steel wire (302-304)	• High strength • Corrosion resistant	• Support grips • Hose containment grips
Galvanized steel wire	• Slightly magnetic • Not subject to continuous outside environment	• Bus drop grips

Approvals

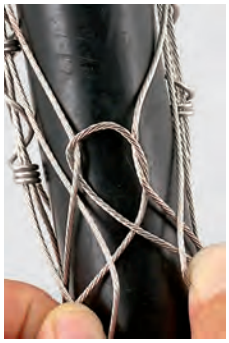
CSA Certifications are indicated on appropriate product catalog pages.

Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh.
See page V-15 for end bands.

Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

1. Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.
2. Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.
3. Twist the lacing strands tightly together at the tail end of the grip.
4. Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.



Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

1. **Fast to install**
   Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
3. To remove, simply pull the rod out.

For Support Grips Only*

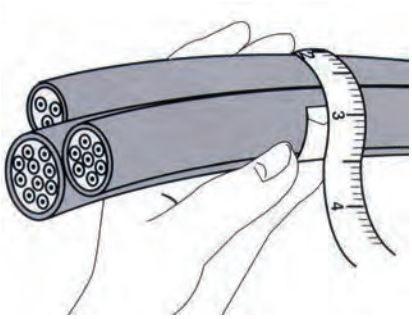
Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.61)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page V-45. It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

For Conduit Riser Grips Only*

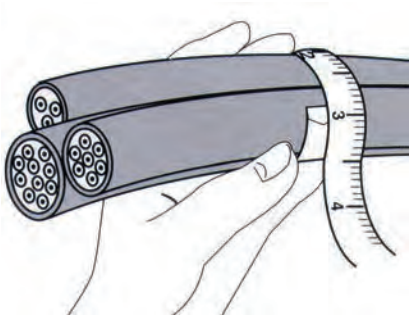
Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .85" (2.16) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Equal Diameter Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.29-.36 (.74-.91)	.24-.30 (.61-.76)	.21-.25 (.53-.63)	.18-.22 (.46-.56)	.16-.20 (.41-.51)	.15-.18 (.38-.46)	.14-.17 (.36-.43)	.50-.62 (1.27-1.57)
.37-.43 (.94-1.09)	.31-.36 (.79-.91)	.26-.30 (.66-.76)	.23-.27 (.58-.69)	.21-.24 (.53-.61)	.19-.22 (.48-.56)	.18-.20 (.46-.51)	.63-.74 (1.60-1.88)
.44-.58 (1.12-1.47)	.37-.48 (.94-1.22)	.31-.41 (.79-1.04)	.28-.36 (.71-.91)	.25-.32 (.63-.81)	.23-.29 (.58-.74)	.21-.27 (.53-.69)	.75-.99 (1.90-2.51)
.59-.72 (1.50-1.83)	.49-.60 (1.24-1.52)	.42-.51 (1.07-1.30)	.37-.45 (.94-1.14)	.33-.40 (.84-1.02)	.30-.36 (.76-.91)	.28-.34 (.71-.86)	1.00-1.24 (2.54-3.15)
.73-.87 (1.85-2.21)	.61-.72 (1.55-1.83)	.52-.61 (1.32-1.55)	.46-.54 (1.17-1.37)	.41-.48 (1.04-1.22)	.37-.43 (.94-1.09)	.35-.40 (.89-1.02)	1.25-1.49 (3.17-3.78)
.88-1.01 (2.24-2.57)	.73-.85 (1.85-2.16)	.62-.71 (1.57-1.80)	.55-.63 (1.40-1.60)	.49-.56 (1.24-1.42)	.44-.51 (1.12-1.30)	.41-.47 (1.04-1.19)	1.50-1.74 (3.81-4.42)
1.02-1.16 (2.59-2.95)	.86-.96 (2.18-2.44)	.72-.81 (1.83-2.06)	.64-.72 (1.63-1.83)	.57-.64 (1.45-1.63)	.52-.58 (1.32-1.49)	.48-.54 (1.22-1.37)	1.75-1.99 (4.44-5.05)
1.17-1.44 (2.97-3.66)	.97-1.20 (2.46-3.05)	.82-1.02 (2.08-2.59)	.73-.90 (1.85-2.29)	.65-.80 (1.65-2.03)	.59-.72 (1.50-1.83)	.55-.67 (1.40-1.70)	2.00-2.49 (5.08-6.32)
1.45-1.73 (3.68-4.39)	1.21-1.45 (3.07-3.68)	1.03-1.22 (2.62-3.10)	.91-1.08 (2.31-2.74)	.81-.96 (2.06-2.44)	.73-.87 (1.85-2.21)	.68-.81 (1.73-2.06)	2.50-2.99 (6.35-7.59)
1.74-2.02 (4.42-5.13)	1.46-1.69 (3.71-4.29)	1.23-1.43 (3.12-3.63)	1.09-1.26 (2.77-3.20)	.97-1.11 (2.46-2.82)	.83-1.01 (2.11-2.57)	.82-.94 (2.08-2.39)	3.00-3.49 (7.62-8.86)
2.03-2.31 (5.16-5.87)	1.70-1.93 (4.32-4.90)	1.44-1.63 (3.66-4.14)	1.27-1.44 (3.23-3.66)	1.12-1.27 (2.84-3.23)	1.02-1.15 (2.59-2.92)	.95-1.08 (2.41-2.74)	3.50-3.99 (8.89-10.13)

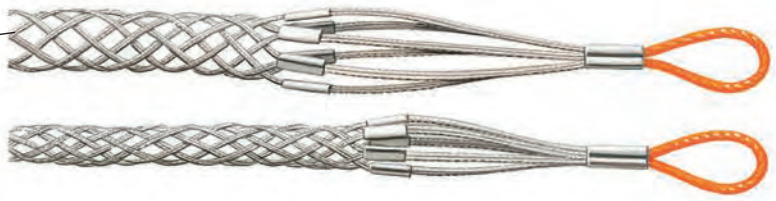
*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page V-44. It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

Fiber Optic Cable Grips

Pulling and Support Grips

OPTISOK® Grip is a revolutionary tool to pull preterminated fiber optic cables. They will protect the connectors and guide the bundle through the pulling environment

Pulling Grips are used for outside plant cable. They are easy to install and remove, reusable, and have a slim profile for small build up



Grips for cable support are easy to install or position. They come in a closed style when the cable end is available, and a split rod style for mid-span installation. Will support the cable's weight as it hangs in vertical, sloping or horizontal position

OPTISOK® Non-metallic Fiber Optic Pulling Tool For Preterminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-51 to V-54.

OPTISOK® Non-Metallic Fiber Optic Pulling Tool

Bundle/Size Range Inches (cm)	Approx. O/A Length Inches (cm)	Ring O.D. Inches (cm)	Ring Thickness Inches (cm)	Maximum Work Load Lbs. (N)	Catalog Number
.125"-.562" (.318-1.427)	28" (71.12)	.71" (1.803)	.10" (.254)	30 (133)	**CCPS1**
.250"-.750" (.635-1.905)	31" (78.74)	.71" (1.803)	.10" (.254)	40 (178)	**CCPS2**
.750"-1.750" (1.905-4.445)	33" (83.82)	1.57" (3.988)	.16" (.406)	50 (222)	**CCPS3**

Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

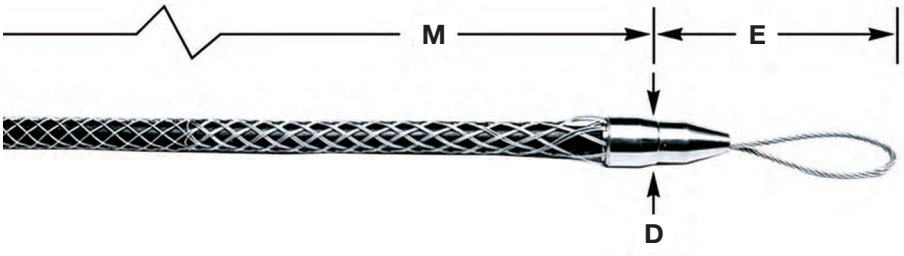
Diameter Range Inches (cm)	Mesh Length Inches (cm)	Eye Length Inches (cm)	Eye Diameter Inches (cm)	Lug Diameter Inches (cm)	Maximum Breaking Strength Lbs. (N)	Catalog Number
.312"-.625" (.79-1.59)	22.5" (57.15)	6.3" (16.00)	.20" (.51)	.51" (1.30)	3,000 (13,344)	**PFOLT312**

Fiber Optic Cable Pulling Grips

Double/Single Weave Mesh, Galvanized Steel, for Outside Plant Cable

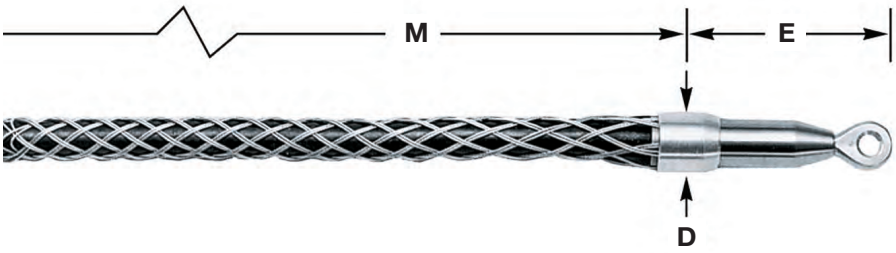
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-51 to V-54.



Fiber Optic Pulling Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.10"-.22" (.25-.56)	1,000 (4,448)	5.5" (14)	9" (23)	0.8" (2)	**033291000**
.21"-.35" (.53-.89)	1,500 (6,672)	5.5" (14)	14" (36)	0.8" (2)	**033291001**
.32"-.48" (.81-1.22)	2,200 (9,786)	6.0" (15)	18" (46)	0.9" (2.29)	**033291002**
.42"-.61" (1.07-1.55)	2,800 (12,454)	6.0" (15)	21" (53)	0.9" (2.29)	**033291003**
.53"-.74" (1.35-1.88)	3,300 (14,678)	6.5" (17)	24" (61)	1.3" (3.30)	**033291004**
.64"-.87" (1.63-2.21)	4,700 (20,906)	6.5" (17)	27" (69)	1.3" (3.30)	**033291005**



Fiber Optic Pulling Grip, Swivel Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.21"-.35" (.53-.89)	1,500 (6,672)	4.0" (10.16)	14" (35.56)	0.9" (2.29)	**033291008**
.32"-.48" (.81-1.22)	2,200 (9,786)	4.0" (10.16)	18" (45.72)	0.9" (2.29)	**033291009**
.42"-.61" (1.07-1.55)	2,800 (12,454)	4.0" (10.16)	21" (53.34)	0.9" (2.29)	**033291010**
.53"-.74" (1.35-1.88)	3,250 (14,457)	4.8" (12.19)	24" (60.96)	1.3" (3.30)	**033291011**
.64"-.87" (1.63-2.21)	4,700 (20,906)	4.8" (12.19)	27" (68.58)	1.3" (3.30)	**033291012**

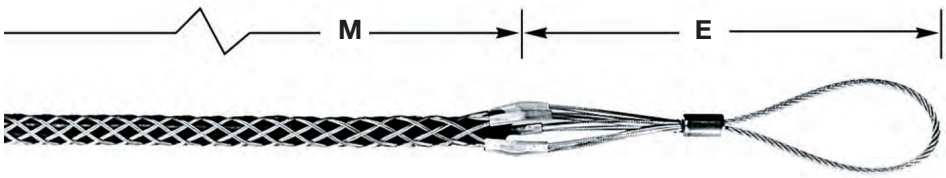
Note: E-Eye length. M-Mesh length at nominal diameter.

Fiber Optic Cable Pulling Grips

Galvanized Steel for Outside Plant Cable

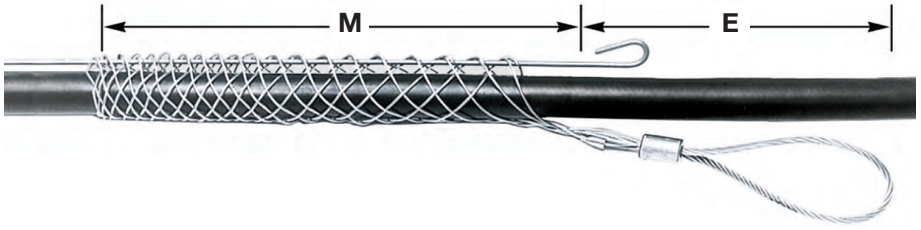
IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-51 to V-54.



Fiber Optic Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.10"-.22 (.25-.56)	900 (4,003)	7.5" (19)	10" (25)	**033291193**
.21"-.35" (.53-.89)	1,400 (6,227)	7.5" (19)	14" (36)	**033291194**
.32"-.48" (.81-1.22)	2,000 (8,896)	8.5" (22)	19" (48)	**033291195**
.42"-.61" (1.07-1.55)	2,500 (11,120)	8.5" (22)	21" (53)	**033291196**
.53"-.74" (1.35-1.88)	3,000 (13,344)	8.5" (22)	23" (58)	**033291197**
.64"-.87" (1.63-2.21)	4,200 (18,682)	8.5" (22)	25" (64)	**033291198**
.75"-1.00" (1.90-2.54)	4,200 (18,682)	8.5" (22)	28" (71)	**033291199**



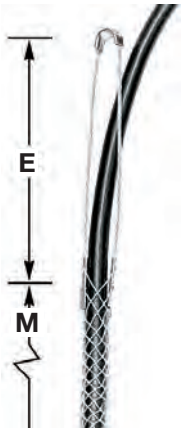
Fiber Optic Slack Pulling Grip, Split Mesh Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.25"-.37" (.63-.94)	300 (1,334)	3" (7.6)	4.7" (12)	**033291015**
.38"-.49" (.97-1.24)	800 (3,558)	3" (7.6)	5" (13)	**033291016**
.50"-.61" (1.27-1.55)	800 (3,558)	3" (7.6)	7.5" (19)	**033291017**
.62"-.74" (1.57-1.88)	1,200 (5,338)	3" (7.6)	8" (20)	**033291018**

Note: E-Eye length. M-Mesh length at nominal diameter.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-51 to V-54.



Fiber Optic Single Eye Cable Support Grip, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300 (1,334)	3" (7.6)	1.7" (4.3)	**022291000**
.23"-.32" (.58-.81)	300 (1,334)	3" (7.6)	2.5" (6.4)	**022291001**
.30"-.39" (.76-.99)	300 (1,334)	4" (10)	2.5" (6.4)	**022291002**
.37"-.48" (.94-1.22)	300 (1,334)	5" (13)	4" (10)	**022291003**
.46"-.58" (1.17-1.47)	400 (1,779)	6" (15)	4" (10)	**022291004**
.56"-.71" (1.42-1.80)	600 (2,669)	7" (18)	5.5" (14)	**022291005**
.69"-.88" (1.75-2.24)	800 (3,558)	8" (20)	6" (15)	**022291006**

Fiber Optic Single Eye Cable Support Grip, Split Mesh, Rod Closing, Single Weave

For support when cable end not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300 (1,334)	3" (7.6)	2.5" (6.4)	**022291016**
.23"-.32" (.58-.81)	300 (1,334)	3" (7.6)	2.5" (6.4)	**022291017**
.30"-.39" (.76-.99)	300 (1,334)	4" (10)	2.5" (6.4)	**022291018**
.37"-.48" (.94-1.22)	300 (1,334)	5" (13)	4" (10)	**022291019**
.46"-.58" (1.17-1.47)	400 (1,779)	6" (15)	5" (13)	**022291020**
.56"-.71" (1.42-1.80)	600 (2,669)	7" (18)	5" (13)	**022291021**
.69"-.88" (1.75-2.24)	800 (3,558)	8" (20)	6" (15)	**022291022**

Note: E-Eye length. M-Mesh length at nominal diameter.

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place preterminated cables. Also available are grips to support fiber optic cable.

Select the Correct Fiber Optic Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1	Determine your cable outside diameter.
Step 2	Find the grip size that encompasses your cable diameter.
Step 3	Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.
Step 4	Where available, select an eye style that suits your needs.
Step 5	Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	2,500 (11,120)	5	500 (2,224)	**033291196**
Support Grips	400 (1,779)	10	40 (178)	**022291004**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

Fiber Optic Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Pulling grips
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips
Non-metallic braid	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• OPTISOK®

Approvals

CSA Certification is indicated on appropriate product catalog pages.

Kellems offers a unique and simple to use tool for the installation of preconnectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK®.

The OPTISOK® is a highly flexible and expandable nonmetallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK® will act as the pulling tool.

OPTISOK® will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK® can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.

How to Select OPTISOK®

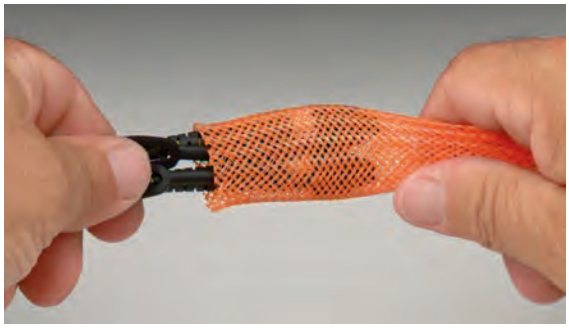
- Identify connector bundle diameter to be inserted into the OPTISOK®.
- Choose appropriate catalog number based on size range.

Installation Information

Step 1	Expand open end of OPTISOK® and gently work in fiber optic connector bundle.
Step 2	Still gently, work connector bundle up to the forward section of the OPTISOK®.
Step 3	Starting at approximately 6" (15.2cm) from tail end of OPTISOK®, tightly fold over the OPTISOK® around cables and tape wrapped section 3" (7.62cm) past tail end onto the bundle.
Step 4	Securely attach pulling line or tape to pulling ring.

Note: To remove OPTISOK® carefully unwrap tape and slide out cables and connectors or cut OPTISOK® away without damaging connectors or cables.

Step 1



Step 2

Step 3

Step 4

Pulling Grip for Loose Tube Fiber Optic Cable

Kellems offers a wire mesh specifically designed to pull loose tube fiber optic cable and meet the special pulling requirements recommended by fiber optic cable manufacturers.

Many fiber optic cable manufacturers require special cable preparation prior to pulling where a short section of the outer jacket is stripped off exposing the aramid strength member. This creates two cable diameters, one including the jacket and a second smaller diameter at the strength member. Kellems fiber grip with its special weave will accommodate and securely grab both diameters, at the outside jacket and the internal aramid strength member.

Additionally, this galvanized steel mesh grip has longer leads at the pulling eye to facilitate pulling the cable up through the top, a very low profile lug and eye to slip through tight areas, and short shoulders to protect the cable while maintaining the slim profile.

The grip can be used to pull cable overhead as well as underground through conduit and duct. It easily mates with a swivel and has the necessary strength to securely make pulls.

Application Information

- Prior to pulling cable, follow cable manufacturers' cable preparation recommendations.
- Never exceed cable manufacturers' pulling tension recommendations.
- Never use grips to approximate breaking strength safety factor of 5 recommended.

Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable, and are reusable.

Benefits

- High strength multiweave mesh for positive holding power.
- Highly flexible mesh to follow the pulling path of the cable.
- Steel nose cone reduces snags and hang-ups and protects cable end.
- Easily installed and removed.
- A dependable, reusable pulling tool.

Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

Fast to Install

Step 1	Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
Step 2	The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
Step 3	To remove, simply pull the rod out.

Hose Containment Grips

Types of Attachment

The five attachment methods shown below provide unlimited flexibility of attachment to meet any condition.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-41 to V-42.

Type E

Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

Type A

Single Eye Grip, used where fastening MUST be made from one point.

Type U

Universal Bale Grip, used to fasten around a structure or closed eye.

Type Y

Threaded bolt (5⁄16-18 x 1½" long), used to fasten through drilled holes in plate.

Type F

Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

Note: It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.

Kellems Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure.

Kellems patented Hose Containment Grips are made of stainless steel with double weave mesh construction for high strength and come complete with hose clamps.

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

Strain Relief System Selection Chart

Strain Relief Grips

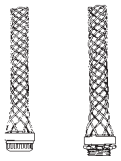
Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

Step 1	Refer to the chart below to determine the grip style best suited for your application.
Step 2	Determine your cable outside diameter or conduit size.
Step 3	Locate environment—indoors or outdoors.
Step 4	Decide if a liquidtight seal is required.
Step 5	Select NPT size and fitting style.

Strain Relief System Selection Chart

Grip Type		Application	Features	Cord or Conduit Range Inches (cm)	Type Fitting or Attachment	Page Number
Deluxe Cord Aluminum Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment.	Aluminum fittings, stainless steel mesh, neoprene oil-and-watertight bushing. Double-single weave.	.187"-3.250" (.47-8.25)	NPT, PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes ⅜"-3".	V-58, V-59, V-62
Deluxe Cord Nylon Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment.	Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and-watertight bushing.	.187"-1.125" (.47-2.86)	NPT nylon, male straight, 90° male. Thread sizes ½"-1".	V-60
Deluxe Cord Nylon Fitting/ Non-metallic Grip		Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing.	Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting.	.187"-1.000" (.47-2.54)	NPT nylon, straight male, thread sizes ⅜"-1" 90° male, thread sizes ½"-1".	V-61
Deluxe Cord Stainless Steel Fitting And Grip		Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines.	Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip.	.187"-1.000" (.47-2.54)	Straight male Only with NPT Thread sizes ½"-1".	V-61
Dust-Tight Strain Relief		Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.	Neoprene gasket–seals out chips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available. Zinc-plated steel locknut.	.240"-2.450" (.61-6.22)	Straight male NPS or NPT	V-63
Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)		Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain.	Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings.	.375"-4.000" trade sizes	NPT ½"-4", Hubbell fittings, Male straight, 45° male, 90° male, female straight.	V-66, V-67
Liquidtight Flexible Conduit Grip (UL Type A)		Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain.	Stainless steel mesh, liquidtight fittings with "O" ring and locknut.	.375"-2.008" trade size male	NPT steel, Hubbell fittings, straight male, 90° Thread sizes ½"-2".	V-68

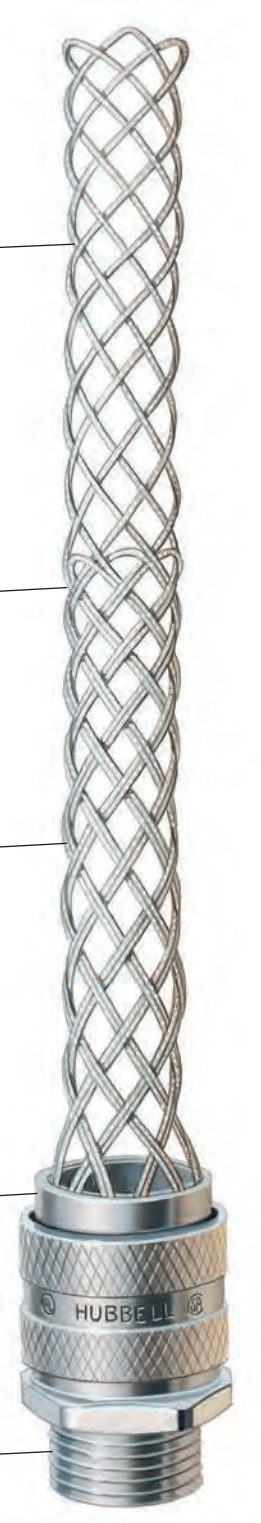
Endless weave provides easy cable/flexible conduit installation

Stainless steel mesh is corrosion resistant. Can be used inside or outside. It eliminates cable or flexible conduit pull out and reduces costly downtime

Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life. It is the strongest strain relief device available. Meets and exceeds all code requirements; prevents cable/conduit pull-out

A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure

An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box

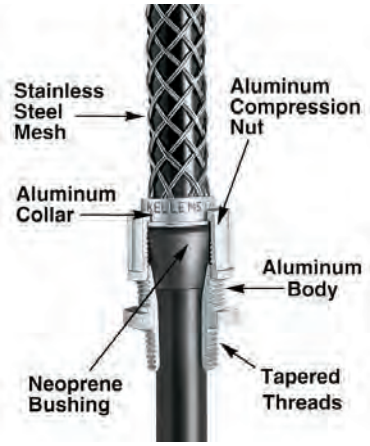


Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.



Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
⅜	.250"-.312"	(.63-.79)	F1	**07401001**
	.312"-.375"	(.79-.95)		**07401002**
	.375"-.437"	(.95-1.11)		**07401003**
½	.187"-.250"	(.47-.63)	F2	**07401004**
	.250"-.375"	(.63-.95)		**07401006**
	.375"-.500"	(.95-1.27)		**07401008**
	.500"-.625"	(1.27-1.59)		**07401010**
½	.625"-.750"	(1.59-1.90)	F3	**074011247***
	.750"-.875"	(1.90-2.22)		**074011248***
¾	.187"-.250"	(.47-.63)	F2	**07401011**
	.250"-.375"	(.63-.95)		**07401013**
	.375"-.500"	(.95-1.27)		**07401015**
	.500"-.625"	(1.27-1.59)		**07401017**
¾	.625"-.750"	(1.59-1.90)	F3	**07401018**
	.750"-.875"	(1.90-2.22)		**074011249***
1	.375"-.500"	(.95-1.27)	F4	**074011195**
	.500"-.625"	(1.27-1.59)		**07401019**
	.625"-.750"	(1.59-1.90)		**07401021**
	.750"-.875"	(1.90-2.22)		**07401023**
	.875"-1.000"	(2.22-2.54)		**07401025**
	1.000"-1.125"	(2.54-2.86)		**074011250***
1	1.125"-1.250"	(2.86-3.17)	F5	**074011028***
	1.250"-1.375"	(3.17-3.49)		**074011029***
1¼	.750"-.875"	(1.90-2.22)	F5	**074011251**
	.875"-1.000"	(2.22-2.54)		**07401026**
	1.000"-1.125"	(2.54-2.86)		**07401027**
	1.125"-1.250"	(2.86-3.17)		**07401028**
	1.250"-1.375"	(3.17-3.49)		**074011178***
1½	.750"-.875"	(1.90-2.22)	F5	**074011252**
	.875"-1.000"	(2.22-2.54)		**07401029**
	1.000"-1.125"	(2.54-2.86)		**07401030**
	1.125"-1.250"	(2.86-3.17)		**07401031**
	1.250"-1.375"	(3.17-3.49)		**07401032**
1½	1.312"-1.437"	(3.33-3.65)	F6	**074011253**
	1.437"-1.562"	(3.65-3.97)		**074011254***
	1.562"-1.687"	(3.97-4.28)		**074011255***
	1.687"- 1.812"	(4.28-4.60)		**074011256***
	1.750"-1.875"	(4.44-4.76)		**074011257***
2	1.250"-1.375"	(3.17-3.49)	F6	**074011258**
	1.312"-1.437"	(3.33-3.65)		**074011259**
	1.437"-1.562"	(3.65-3.97)		**07401033**
	1.562"-1.687"	(3.97-4.28)		**07401034**
	1.687"-1.812"	(4.28-4.60)		**07401035**
	1.750"- 1.875"	(4.44-4.76)		**074011260**
2	1.812"-1.937"	(4.60-4.92)	F7	**074011261**
	1.937"-2.062"	(4.92-5.24)		**074011262***
	2.062"-2.187"	(5.24-5.55)		**074011263***
	2.187"-2.312"	(5.55-5.87)		**074011264***
	2.312"-2.437"	(5.87-6.19)		**074011265***
2½	1.688"-1.812"	(4.29-4.60)	F7	**074011030**
	1.812"-1.937"	(4.60-4.92)		**074011031**
	1.937"-2.062"	(4.92-5.24)		**074011032**
	2.062"-2.187"	(5.24-5.55)		**074011033**
	2.187"-2.312"	(5.55-5.87)		**074011034**
	2.312"-2.437"	(5.87-6.19)		**074011266***
3	1.937"-2.062"	(4.92-5.24)	F7	**074011036**
	2.062"-2.187"	(5.24-5.55)		**074011037**
	2.187"-2.312"	(5.55-5.87)		**074011038**
	2.312"-2.437"	(5.87-6.19)		**074011039**
3	2.437"-2.625"	(6.19-6.67)	F8	**074011186**
	2.625"-2.812"	(6.67-7.14)		**074011187**
	2.812"-3.000"	(7.14-7.62)		**074011188**
	3.000"-3.250"	(7.62-8.25)		**074011189***

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*

Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

Straight Female Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.375"-.500"	(.95-1.27)	F2	**07401043**
	.500"-.625"	(1.27-1.59)		**07401045**
¾	.500"-.625"	(1.27-1.59)	F2	**07401052**
¾	.625"-.750"	(1.59-1.90)	F4	**07401053**

90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
⅜	.250"-.312"	(.63-.79)	F1	**07401071**
	.312"-.375"	(.79-.95)		**07401072**
	.375"-.437"	(.95-1.11)		**07401073**
½	.187"-.250"	(.47-.63)	F2	**07401074**
	.250"-.375"	(.63-.95)		**07401076**
	.375"-.500"	(.95-1.27)		**07401078**
	.500"-.625"	(1.27-1.59)		**07401080***
¾	.375"-.500"	(.95-1.27)	F3	**07401081**
	.500"-.625"	(1.27-1.59)		**07401083**
	.625"-.750"	(1.59-1.90)		**07401084***
	.750"-.875"	(1.90-2.22)		**074011275***
1	.500"-.625"	(1.27-1.59)	F4	**07401085**
	.625"-.750"	(1.59-1.90)		**07401087**
	.750"-.875"	(1.90-2.22)		**07401089**
	.875"-1.000"	(2.22-2.54)		**07401091***
	1.000"-1.125"	(2.54-2.86)		**074011229***
1¼	.750"-.875"	(1.90-2.22)	F5	**074011230**
	.875"-1.000"	(2.22-2.54)		**07401137**
	1.000"-1.125"	(2.54-2.86)		**07401108**
	1.125"-1.250"	(2.86-3.17)		**074011042***
1½	1.000"-1.125"	(2.54-2.86)	F5	**074011045**
	1.125"-1.250"	(2.86-3.17)		**074011046**
	1.250"-1.375"	(3.17-3.49)		**074011047**
2	1.312"-1.437"	(3.33-3.65)	F6	**074011233**
	1.437"-1.562"	(3.65-3.97)		**074011244**
	1.687"-1.812"	(4.28-4.60)		**074011246**
	1.750"-1.875"	(4.44-4.76)		**074011234***

45° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**074011236**
	.375"-.500"	(.95-1.27)		**074011021**
	.500"-.625"	(1.27-1.59)		**074011237***
¾	.500"-.625"	(1.27-1.59)	F3	**074011049**
	.625"-.750"	(1.59-1.90)		**074011051***
	.750"-.875"	(1.90-2.22)		**074011239***
1	.625"-.750"	(1.59-1.90)	F4	**074011055**
	.750"-.875"	(1.90-2.22)		**074011057**
	.875"-1.000"	(2.22-2.54)		**074011199***
1¼	1.000"-1.125"	(2.54-2.86)	F5	**074011059**
	1.125"-1.250"	(2.86-3.17)		**074011060**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

**Cable jacket may have to be stripped to pass through connector body.*

Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

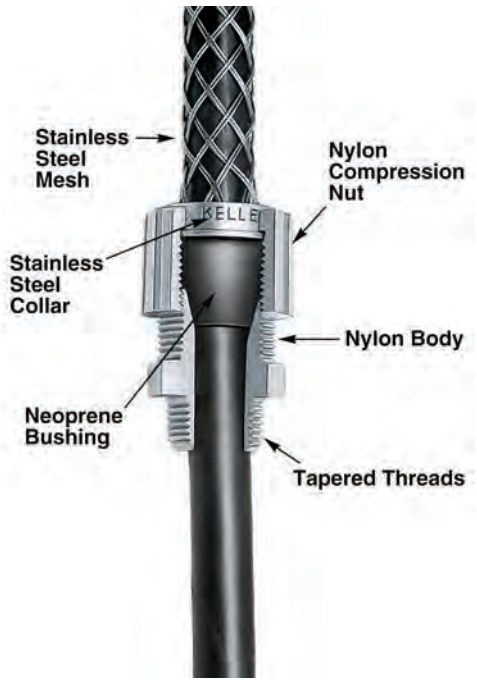
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.187"-.250"	(.47-.63)	F2	**074011331**
	.250"-.375"	(.63-.95)		**074011332**
	.375"-.500"	(.95-1.27)		**074011333**
	.500"-.625"	(1.27-1.59)		**074011334***
¾	.375"-.500"	(.95-1.27)	F3	**074011335**
	.500"-.625"	(1.27-1.59)		**074011336**
	.625"-.750"	(1.59-1.90)		**074011337**
	.750"-.875"	(1.90-2.22)		**074011338***
1	.625"-.750"	(1.59-1.90)	F4	**074011341**
	.750"-.875"	(1.90-2.22)		**074011342**
	.875"-1.000"	(2.22-2.54)		**074011343**
	1.000"-1.125"	(2.54-2.86)		**074011344***

90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**074011346**
	.375"-.500"	(.95-1.27)		**074011347**
	.500"-.625"	(1.27-1.59)		**074011348***
¾	.375"-.500"	(.95-1.27)	F3	**074011349**
	.500"-.625"	(1.27-1.59)		**074011350**
	.625"-.750"	(1.59-1.90)		**074011351***

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*



Deluxe Cord Grips

Nylon Fittings, Non-metallic Mesh, and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

Nylon Fittings Non-metallic Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
⅜	.187"-.250"	(.47-.63)	F1	**CG304NM**
	.250"-.312"	(.63-.79)		**CG305NM**
	.312"-.375"	(.79-.95)		**CG306NM**
½	.187"-.250"	(.47-.63)	F2	**CG404NM**
	.250"-.375"	(.63-.95)		**CG406NM**
	.375"-.500"	(.95-1.27)		**CG408NM**
¾	.375"-.500"	(.95-1.27)	F3	**CG608NM**
	.500"-.625"	(1.27-1.59)		**CG610NM**
	.625"-.750"	(1.59-1.90)		**CG612NM**
1	.500"-.625"	(1.27-1.59)	F4	**CG810NM**
	.625"-.750"	(1.59-1.90)		**CG812NM**
	.750"-.875"	(1.90-2.22)		**CG814NM**
	.875"-1.000"	(2.22-2.54)		**CG816NM**

90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**CG40690NM**
	.375"-.500"	(.95-1.27)		**CG40890NM**
¾	.375"-.500"	(.95-1.27)	F3	**CG60890NM**
	.500"-.625"	(1.27-1.59)		**CG61090NM**
	.625"-.750"	(1.59-1.90)		**CG61290NM***
1	.625"-.750"	(1.59-1.90)	F4	**CG81290NM**
	.750"-.875"	(1.90-2.22)		**CG81490NM**

Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches	(cm)	Form Size	Catalog Number
½	.187"-.250"	(.47-.63)	F2	**CG404SST**
	.250"-.375"	(.63-.95)		**CG406SST**
	.375"-.500"	(.95-1.27)		**CG408SST**
	.500"-.625"	(1.27-1.59)		**CG410SST**
¾	.375"-.500"	(.95-1.27)	F2	**CG608SST**
	.500"-.625"	(1.27-1.59)		**CG610SST**
¾	.625"-.750"	(1.59-1.90)	F3	**CG612SST**
	.750"-.875"	(1.90-2.22)		**CG614SST**
1	.500"-.625"	(1.27-1.59)	F4	**CG810SST**
	.625"-.750"	(1.59-1.90)		**CG812SST**
	.750"-.875"	(1.90-2.22)		**CG814SST**
	.875"-1.000"	(2.22-2.54)		**CG816SST**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

**Cable jacket may have to be stripped to pass through connector body.*

PG and Metric Threaded Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

Straight PG* Male Thread

Hub Size	Cord Diameter Range Inches	(cm)	Form Size	Catalog Number
PG16	.500"-.625"	(1.27-1.59)	F2	**074PG16010**
PG21	.500"-.625"	(1.27-1.59)	F2	**074PG21010**
PG21	.625"-.750"	(1.59-1.90)	F3	**074PG211247**
	.750"-.875"	(1.90-2.22)		**074PG211248**
PG29	.625"-.750"	(1.59-1.90)	F4	**074PG29021**
	.750"-.875"	(1.90-2.22)		**074PG29023**
	.875"-1.000"	(2.22-2.54)		**074PG29025**
PG29	1.125"-1.250"	(2.86-3.17)	F5	**074PG291028***
PG36	1.125"-1.250"	(2.86-3.17)	F5	**074PG36028***

*Note: *Panzergewinde.*

Straight Metric Male Thread

Hub Size	Cord Diameter Range Inches	(cm)	Form Size	Catalog Number
M20	.500"-.625"	(1.27-1.59)	F2	**074M20010**
M25	.625"-.750"	(1.59-1.90)	F3	**074M251247**
	.750"-.875"	(1.90-2.22)		**074M251248**
M25	.500"-.625"	(1.27-1.59)	F2	**074M25017**
M32	.625"-.750"	(1.59-1.90)	F4	**074M32021**
	.750"-.875"	(1.90-2.22)		**074M32023**
	.875"-1.000"	(2.24-2.54)		**074M32025**
M32	1.000"-1.125"	(2.54-2.86)	F5	**074M321250**
	1.125"-1.250"	(2.86-3.17)		**074M321028**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*

Specifications

Material	Temperature Range
Aluminum (Body)	–30°F to +240°F (–34°C to +115°C).
Stainless Steel (Mesh)	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).
Hazardous Locations	Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
Approvals	
Deluxe Cord Grips	UL Listed in accordance with Standard 514B for indoor/outdoor use. UL Control numbers 898D and 899D.
Wet Locations	Suitable for use in wet locations when used with a listed sealing ring between box and fitting.

Dust-Tight Strain Relief Grips

Aluminum Fittings, Galvanized Steel Mesh, for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

Non-Insulated, Wide Range Strain Relief

Thread Size	Cable Diameter Range Inches	(cm)	Mesh Length @ Nom. Dia. Inches (cm)	Catalog Number
½ NPT	.24"-.32"	(.61-.81)	3.25" (8.25)	**073031200**
½ NPT	.32"-.43"	(.81-1.09)	3.75" (9.52)	**073031201**
½ NPT	.43"-.54"	(1.09-1.37)	4.75" (12.06)	**073031202**
¾ NPT	.54"-.73"	(1.37-1.85)	6.5" (16.51)	**073031203**
1 NPT	.73"-.97"	(1.85-2.46)	7" (17.78)	**073031204**
1¼ NPT	.97"-1.25"	(2.46-3.17)	9" (22.86)	**073031205**
PG29*	.73"-.97"	(1.85-2.46)	7" (17.78)	**073PG291204**

*Note: *Panzergewinde.*

Insulated, Wide Range Strain Relief with Insulating Bushing

Thread Size	Cable Diameter Range Inches	(cm)	Mesh Length @ Nom. Dia. Inches (cm)	Dim. A Inches (cm)	Min. Space Between Grips Inches (cm)	Catalog Number
½ NPS	.24"-.32"	(.61-.81)	3.25" (8.25)	1" (2.54)	1.25" (3.17)	**073031206**
½ NPS	.32"-.43"	(.81-1.09)	3.75" (9.52)	1" (2.54)	1.25" (3.17)	**073031207**
½ NPS	.43"-.54"	(1.09-1.37)	4.75" (12.06)	1" (2.54)	1.25" (3.17)	**073031208**
¾ NPS	.54"-.73"	(1.37-1.85)	6.5" (16.51)	1" (2.54)	1.5" (3.81)	**073031209**
1 NPS	.73"-.97"	(1.85-2.46)	7" (17.78)	1.313" (3.02)	1.75" (4.44)	**073031210**
1¼ NPS	.97"-1.25"	(2.46-3.17)	9" (22.86)	1.313" (3.02)	2.25" (5.71)	**073031211**
1½ NPT	1.25"-1.50"	(3.17-3.81)	11.75" (29.84)	1.313" (3.02)	2.5" (6.35)	**073031212**
2 NPT	1.50"-1.70"	(3.81-4.32)	13.25" (33.65)	1.375" (3.49)	3.25" (8.25)	**073031213**
2½ NPT	1.70"-2.00"	(4.32-5.08)	13.5" (34.29)	1.5" (3.81)	3.625" (9.21)	**073031214**
2½ NPT	2.00"-2.45"	(5.08-6.22)	13.75" (34.92)	1.5" (3.81)	3.625" (9.21)	**073031215**

I-Grips

Plastic-Coated, Galvanized Steel Mesh for Insulated Cables

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-69 to V-76.

Application

Kellems® I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

These grips are for indoor use only.

Benefits

- Easily attached to Insulgrip plugs and connector bodies.
- Controls cable arc-of-bend.
- Provides heavy-duty strain relief.
- Fits all sizes.

I-Grips

Cable Diameter Range Inches	(cm)	E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43"	(.81-1.09)	1.25" (3.17)	4" (10.16)	**07310001**
.43"-.56"	(1.09-1.42)	1.25" (3.17)	4.75" (12.06)	**07310002**
.56"-.73"	(1.42-1.85)	1.50" (3.81)	6" (15.24)	**07310003**
.73"-.85"	(1.85-2.16)	1.50" (3.81)	6.5" (16.51)	**07310004**
.85"-1.00"	(2.16-2.54)	1.50" (3.81)	8" (20.32)	**07310005**
1.00"-1.25"	(2.54-3.17)	1.50" (3.81)	10" (25.40)	**07310006**

Note: E-Eye length. M-Mesh length at nominal diameter.
Eyelet hole diameter .203" (.52cm).
I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Thread Adapters for Multi-Pin Connectors

Aluminum

Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

Benefits

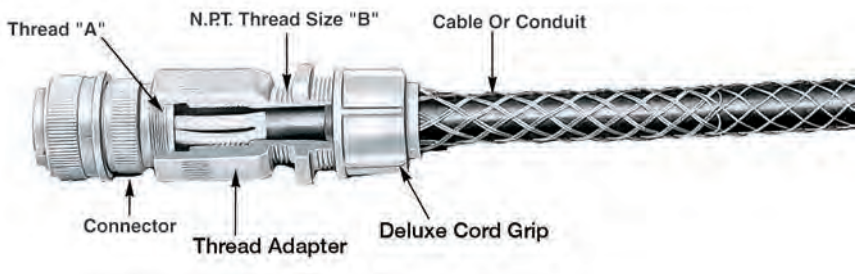
- Easy installation.
- Allows the use of Kellems grips.
- Extends connector and cable life.

Thread Adapters for Multi-Pin Connectors

Thread Adapters					Deluxe Cord Grips		Strain Relief Grips		Liquidtight Conduit Grips (Insulated Throat)
AN-MS Connector Size**	AN-MS Cable Clamp Number***	Thread Size A Inch	NPT Thread Size B	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Catalog Number
8S, 10S	3057-3	½" x 28"		**091041000**	.250"-.312" (.63-.79)	**07401001**			
10SL, 12, 12S	3057-4	⅝" x 24"	⅜	**091041001**	.312"-.375" (.79-.95)	**07401002**			
14, 14S	3057-6	¾" x 20"		**091041002**	.375"-.437" (.95-1.11)	**07401003**			
14, 14S	3057-6	¾" x 20"		**091041003**	.187"-.250" (.47-.63	**07401004**	.24"-.32" (.61-.81)	**073031200**	—
16, 16S	3057-8	⅞" x 20"	½	**091041004**	.250"-.375" (.63-.95)	**07401006**	.32"-.43" (.81-1.09)	**073031201**	**074093512**
18	3057-10	1" x 20"		**091041006**	.375"-.500" (.95-1.27)	**07401008**	.43"-.54" (1.09-1.37)	**073031202**	—
					.500"-.625" (1.27-1.59)	**07401010***			
16, 16S	3057-8	⅞" x 20"		**091041005**	.187"-.250" (.47-.63)	**07401011**			
18	3057-10	1" x 20"	¾	**091041007**	.250"-.375" (.63-.95)	**07401013**			
20, 22	3057-12	1⅜" x 18"		**091041008**	.375"-.500" (.95-1.27)	**07401015**	.54"-.74" (1.37-1.85)	**073031203**	**074093513**
					.500"-.625" (1.27-1.59)	**07401017**			
					.625"-.750" (1.59-1.90)	**07401018**			
20, 22	3057-12	1⅜" x 18"		**091041009**	.375"-.500" (.95-1.27)	**074011195**			
24, 28	3057-16	1⅞" x 18"		**091041010**	.500"-.625" (1.27-1.59)	**07401019**			
32	3057-20	1¾" x 18"	1	**091041012**	.625"-.750" (1.59-1.90)	**07401021**	.73"-.97" (1.85-2.46)	**073031204**	**074093514**
36	3057-24	2" x 18"		**091041015**	.750"-.875" (1.90-2.22)	**07401023**			
					.875"-1.000" (2.22-2.54)	**07401025**			
24, 28	3057-16	1⅞" x 18"		**091041011**	.750"-.875" (1.90-2.22)	**074011251**			
32	3057-20	1¾" x 18"	1¼	**091041013**	.875"-1.000" (2.22-2.54)	**07401026**	.97"-1.25" (2.46-3.17)	**073031205**	**074093515**
36	3057-24	2" x 18"		**091041016**	1.000"-1.125" (2.54-2.86)	**07401027**			
					1.125"-1.375" (2.86-3.17)	**07401028**			
32	3057-20	1¾" x 18"		**091041014**	.875"-1.000" (2.22-2.54)	**07401029**			
36	3057-24	2" x 18"	1½	**091041017**	1.000"-1.125" (2.54-2.86)	**07401030**	—		**074093516**
40	3057-28	2¼" x 16"		**091041019**	1.125"-1.250" (2.86-3.17)	**07401031**			
					1.250"-1.375" (3.17-3.49)	**07401032**			

*Note: *Cable jacket may have to be stripped to pass through connector body.*
***Number stamped on connector shell.*
****Number stamped on clamp shell.*

Example



Thread Adapter

091041006

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit

Benefits

- Helps prevent conduit pull-out and damage at the fitting.
- Reduces equipment downtime.

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-74 to V-76.

Straight With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093511**	**074093401**
½	½	3.5"	(8.89)	**074093512**	**074093402**
¾	¾	4"	(10.16)	**074093513**	**074093403**
1	1	5"	(12.70)	**074093514**	**074093404**
1¼	1¼	6"	(15.24)	**074093515**	**074093405**
1½	1½	6.75"	(17.14)	**074093516**	**074093406**
2	2	8"	(20.32)	**074093518**	**074093408**
2½	2½	9.75"	(24.76)	**074093520**	**074093410**
3	3	11"	(27.94)	**074093522**	**074093412**
4	4	14"	(35.56)	**074093526**	—

90° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093541**	**074093421**
½	½	3.5"	(8.89)	**074093542**	**074093422**
¾	¾	4"	(10.16)	**074093543**	**074093423**
1	1	5"	(12.70)	**074093544**	**074093424**
1¼	1¼	6"	(15.24)	**074093545**	**074093425**
1½	1½	6.75"	(17.14)	**074093546**	**074093426**
2	2	8"	(20.32)	**074093548**	**074093428**
2½	2½	9.75"	(24.76)	**074093550**	—
3	3	11"	(27.94)	**074093552**	—

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit

IMPORTANT

Read all breaking strength, safety and technical data relating to this product. Pages V-74 to V-76.

Straight With Chase Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
½	½	3.5"	(8.89)	**07406079**
¾	¾	4"	(10.16)	**07406080**
1	1	5"	(12.70)	**07406081**
1¼	1¼	6"	(15.24)	**07406082**
1½	1½	6.75"	(17.14)	**07406083**

45° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093561**	**074093441**
½	½	3.5"	(8.89)	**074093562**	**074093442**
¾	¾	4"	(10.16)	**074093563**	**074093443**
1	1	5"	(12.70)	**074093564**	**074093444**
1¼	1¼	6"	(15.24)	**074093565**	**074093445**
1½	1½	6.75"	(17.14)	**074093566**	**074093446**
2	2	8"	(20.32)	**074093568**	**074093448**

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit

IMPORTANT

Read all breaking strength, safety and technical data relating to this product.
Page V-76

Straight Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
⅜	½	3.75"	(9.52)	**H038CNK**
½	½	4.5"	(11.43)	**H050CNK**
¾	¾	6.25"	(15.87)	**H075CNK**
1	1	7.5"	(19.05)	**H100CNK**
1¼	1¼	9"	(22.86)	**H125CNK**
1½	1½	13.5"	(34.29)	**H150CNK**
2	2	14.5"	(36.83)	**H200CNK**

90° Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
⅜	½	3.75"	(9.52)	**H0389CNK**
½	½	4.5"	(11.43)	**H0509CNK**
¾	¾	6.25"	(15.87)	**H0759CNK**
1	1	7.5"	(19.05)	**H1009CNK**
1¼	1¼	9"	(22.86)	**H1259CNK**
1½	1½	13.5"	(34.29)	**H1509CNK**
2	2	14.5"	(36.83)	**H2009CNK**

Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Strain relief grips • I-Grips
Stainless steel wire (302/304)	• High strength • Corrosion resistant • Slightly magnetic	• Deluxe cord grips • Liquidtight, flexible, metal conduit grips • UL type A conduit grips
Non-metallic strand	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• Non-metallic deluxe cord grips

Operating Temperatures

Material	Temperature Range
Aluminum	–40°F to +300°F (–40°C to +149°C).
Aluminum Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Non-Metallic Deluxe Cord Grips	–30°F to +225°F (–34°C to +107°C).
Nylon	–40°F to +225°F (–40°C to +107°C).
Nylon Fitting with Stainless Steel Mesh	–40°F to +225°F (–40°C to +107°C).
Stainless Steel	–60°F to +1000°F (–51°C to +537°C).
Stainless Steel Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).

Hazardous Locations

	Product Categories
The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, aluminum fitting; Deluxe cord grip, nylon fitting; Deluxe cord grip, non-metallic; Sealtite conduit grips; Dustight strain relief grips.

Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

Component	Rating
Mesh grip	UL 94HB.
Fitting	UL 94V-2.

Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

Agency	UL Control Number
Underwriters Laboratories Inc.	898D and 899D.
	UL Listed in accordance with Standard 514B for indoor/outdoor use.

Wet Locations

	Product Categories
The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting.	Deluxe cord grip, aluminum fitting; Deluxe sealing ring cord grip; Deluxe cord grip, non-metallic; Sealtite conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell sealtite conduit connectors.

Form Size Definition

The term "Form Size" refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

Knockout Holes

NPT Hub Size Inches	Knockout Hole Recommended Min. to Max. Inches (cm)
¼	.540" to .570" (1.37-1.45)
⅜	.671" to .701" (1.70-1.78)
½	.859" to .906" (2.18-2.30)
¾	1.094" to 1.141" (2.78-2.90)
1	1.359" to 1.406" (3.45-3.57)
1¼	1.719" to 1.766" (4.37-4.49)
1½	1.969" to 2.016" (5.00-5.12)
2	2.453" to 2.500" (6.23-6.35)
2½	2.953" to 3.000" (7.50-7.62)
3	3.578" to 3.625" (9.09-9.21)

Product Data

Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page V-61.

Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

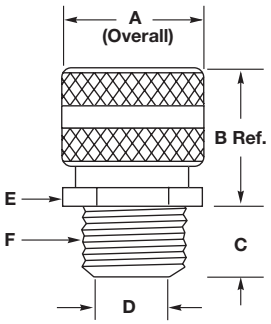
- Helps to prevent cable pull-out.
- Controls cable arc-of-bend.
- Provides a liquidtight seal.
- Corrosion resistant stainless steel mesh with aluminum collar.

Deluxe Cord Grips Fitting Dimensions

Straight Hubbell Connectors

		Aluminum, Inches (cm)						Nylon, Inches (cm)						Stainless Steel, Inches (cm)								
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
⅜-18	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
½-14	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	—	—	—	—	—	—	—
½-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
½-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	—	—	—	—	—	—	—	—	—	—	—	—	—
¾-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	—	—	—	—	—	—	—	—	—	—	—	—	—
¾-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11½	3	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—
1-11½	4	1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11½	5	2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	—	—	—	—	—	—	—	—	—	—	—	—	—
1¼-11½	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1½-11	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1½-11½	6	3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11½	6	3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11½	7	3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	—	—	—	—	—	—	—	—	—	—	—	—	—
2½-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
2½-8	8	4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	8	4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—

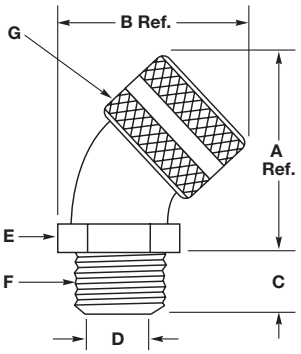
*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions

45° Hubbell Connectors

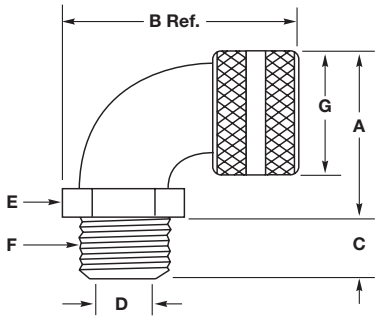


		Aluminum, Inches (cm)						
F NPT Inches	Form	A Ref.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats	G Dia.
½-14	2	2.00" (5.08)	1.90" (4.83)	.550" (1.40)	.560" (1.42)	1.270" (3.23)	1.110" (2.79)	1.125" (2.86)
¾-14	3	2.30" (5.84)	2.50" (6.53)	.560" (1.42)	.750" (1.90)	1.480" (3.76)	1.281" (3.25)	1.375" (3.49)
1-11½	4	2.60" (6.60)	2.80" (7.11)	.700" (1.78)	1.000" (2.54)	1.690" (4.29)	1.500" (3.81)	1.750" (4.44)
1¼-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.250" (3.17)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)
1½-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.500" (3.81)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)

90° Hubbell Connectors

		Aluminum, Inches (cm)							Nylon, Inches (cm)						
F NPT Inches	Form	A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.	A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.
⅜-18	1	1.27" (3.23)	2.00" (5.08)	.460" (1.17)	.440" (1.12)	1.15" (2.92)	1.10" (2.79)	.875" (2.22)	—	—	—	—	—	—	—
½-14	2	1.56" (3.96)	2.30" (5.84)	.500" (1.27)	.546" (1.39)	1.30" (3.30)	1.13" (2.87)	1.125" (2.86)	1.41" (3.58)	2.50" (6.35)	.550" (1.40)	.575" (1.46)	1.23" (3.12)	1.12" (2.82)	1.315" (3.34)
¾-14	3	1.79" (4.55)	2.80" (7.11)	.560" (1.42)	.765" (1.94)	1.49" (3.78)	1.31" (3.33)	1.375" (3.49)	1.65" (4.19)	2.81" (7.14)	.560" (1.42)	.765" (1.94)	1.42" (3.61)	1.29" (3.28)	1.560" (3.96)
1-11½	4	2.08" (5.28)	3.20" (8.13)	.700" (1.78)	1.000" (2.54)	1.70" (4.32)	1.50" (3.81)	1.750" (4.44)	1.99" (5.05)	3.30" (8.38)	.700" (1.78)	1.010" (2.57)	1.82" (4.62)	1.60" (4.06)	1.875" (4.76)
1¼-11½	5	3.18" (8.08)	4.30" (10.92)	.730" (1.85)	1.260" (3.20)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	—	—	—	—	—	—	—
1½-11½	5	3.18" (8.08)	4.30" (10.92)	.750" (1.92)	1.500" (3.81)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	—	—	—	—	—	—	—
2-11½	6	3.51" (8.92)	5.50" (13.97)	.800" (2.03)	1.920" (4.88)	2.98" (7.57)	2.78" (7.06)	3.000" (7.62)	—	—	—	—	—	—	—

*Note: *A/C - Across Corners; A/F - Across Flats.*

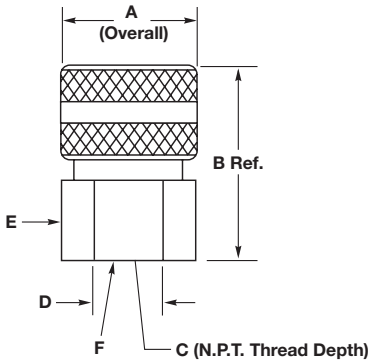


Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions

Female Hubbell Connectors

		Aluminum, Inches (cm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats
⅜-18	1	.88" (2.24)	1.40" (3.56)	.560" (1.42)	.44" (1.12)	.94" (2.39)	.81" (2.06)
½-14	2	1.13" (2.87)	1.80" (4.57)	.560" (1.42)	.63" (1.60)	1.15" (2.92)	1.00" (2.54)
¾-14	2	1.13" (2.87)	2.10" (5.33)	.750" (1.90)	.63" (1.60)	1.44" (3.66)	1.25" (3.17)
1-11½	4	1.75" (4.44)	2.30" (5.84)	.880" (2.24)	1.10" (2.79)	1.88" (4.78)	1.63" (4.14)
1¼-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)
1½-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)



Product Data

Dust-Tight Strain Relief Grips for Insulated Cables

Kellems® Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

Benefits

- Helps prevent cord or cable pull-out.
- Provides a dust tight seal.
- Easy installation.
- Patented mesh construction.
- One piece design.

I-Grips for Insulated Cables

Kellems I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

Application

Kellems I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples.

These grips are for indoor use only.

Benefits

- Easily attached to Insulgrip plugs and connector bodies.
- Fits all sizes.
- Provides heavy duty strain relief.
- Controls cable arc-of-bend.

Note: I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Dimensions shown are approximate and are subject to change without notice.

Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff® I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of NPT sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

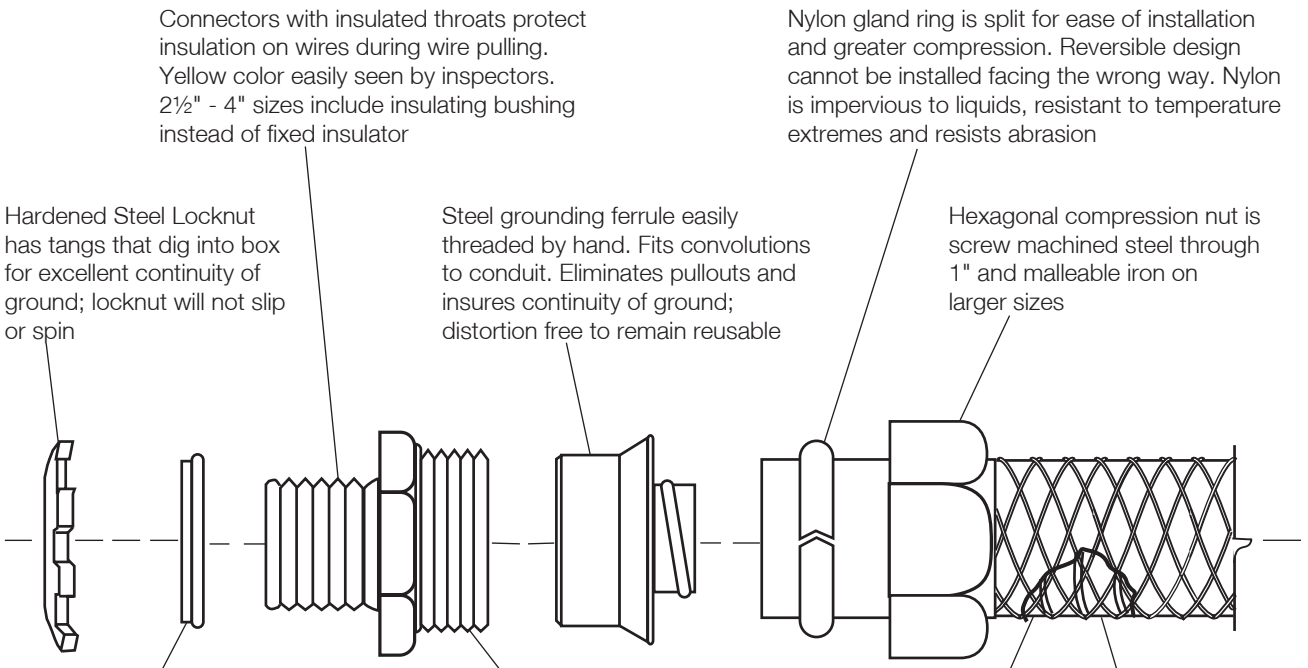
Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

Benefits

- Helps prevent conduit pull-out and damage at the fitting.
- Reduces equipment downtime.
- Liquidtight fittings.
- Easily installed.
- Stainless steel grip resists corrosion.

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.



Liquidtight Conduit Grip Fitting Dimensions, Inches

Straight with Male Fitting

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
⅜	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"	**074093401**
½	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"	**074093402**
¾	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"	**074093403**
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"	**074093404**
1¼	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"	**074093405**
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"	**074093406**
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"	**074093408**

Straight with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
⅜	1.50"	.66"	1.20"	1.06"	.57"	1.07"	.93"	**074093511**
½	1.50"	.66"	1.34"	1.19"	.57"	1.22"	1.06"	**074093512**
¾	1.62"	.66"	1.55"	1.38"	.78"	1.43"	1.25"	**074093513**
1	1.75"	.72"	1.95"	1.69"	.98"	1.73"	1.56"	**074093514**
1¼	2.09"	.69"	2.39"	2.06"	1.29"	2.36"	2.08"	**074093515**
1½	2.28"	.69"	2.72"	2.37"	1.53"	2.79"	2.48"	**074093516**
2	2.34"	.75"	3.08"	2.87"	1.95"	3.32"	2.90"	**074093518**
2½	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"	**074093520**
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"	**074093522**
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"	**074093526**

45° Angle with Male Fitting

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
⅜	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"	**074093441**
½	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"	**074093442**
¾	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"	**074093443**
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"	**074093444**
1¼	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"	**074093445**
1½	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"	**074093446**
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"	**074093448**

45° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
⅜	1.25"	1.28"	.66"	1.20"	1.06"	.57"	1.16"	1.02"	**074093561**
½	1.25"	1.28"	.66"	1.34"	1.19"	.57"	1.21"	1.06"	**074093562**
¾	1.25"	1.44"	.66"	1.55"	1.45"	.78"	1.50"	1.32"	**074093563**
1	1.44"	1.53"	.72"	1.95"	1.69"	.98"	1.82"	1.59"	**074093564**
1¼	1.48"	1.69"	.69"	2.39"	2.06"	1.29"	2.32"	2.03"	**074093565**
1½	1.72"	2.00"	.72"	2.72"	2.38"	1.53"	2.62"	2.29"	**074093566**
2	1.75"	2.25"	.72"	3.08"	2.87"	1.95"	3.21"	2.80"	**074093568**

90° Angle with Male Fitting

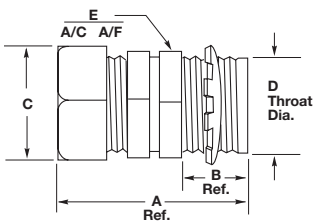
Dimensions, Inches

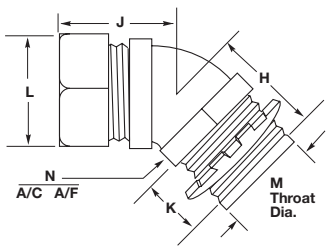
Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
⅜	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	**074093421**
½	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.21"	1.00"	**074093422**
¾	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"	**074093423**
1	1.78"	.66"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"	**074093424**
1¼	1.97"	.63"	2.39"	2.06"	2.50"	1.37"	2.32"	2.02"	**074093425**
1½	2.19"	.66"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"	**074093426**
2	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"	**074093428**

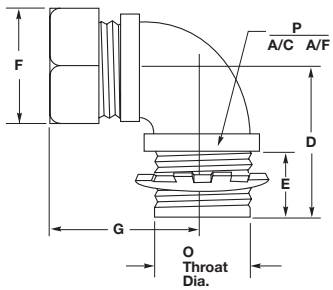
90° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
⅜	1.38"	.66"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	**074093541**
½	1.38"	.66"	1.34"	1.12"	1.44"	.57"	1.21"	1.00"	**074093542**
¾	1.50"	.66"	1.55"	1.45"	1.63"	.78"	1.48"	1.29"	**074093543**
1	1.84"	.66"	1.95"	1.60"	2.19"	.98"	1.80"	1.57"	**074093544**
1¼	2.03"	.69"	2.39"	2.06"	2.50"	1.29"	2.32"	2.02"	**074093545**
1½	2.25"	.69"	2.72"	2.38"	2.69"	1.53"	2.58"	2.20"	**074093546**
2	2.59"	.72"	3.08"	2.87"	3.25"	1.95"	3.14"	2.75"	**074093548**
2½	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"	**074093550**
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"	**074093552**







*Note: *A/C - Across Corners; A/F - Across Flats.*

Dimensions shown are approximate and are subject to change without notice.

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

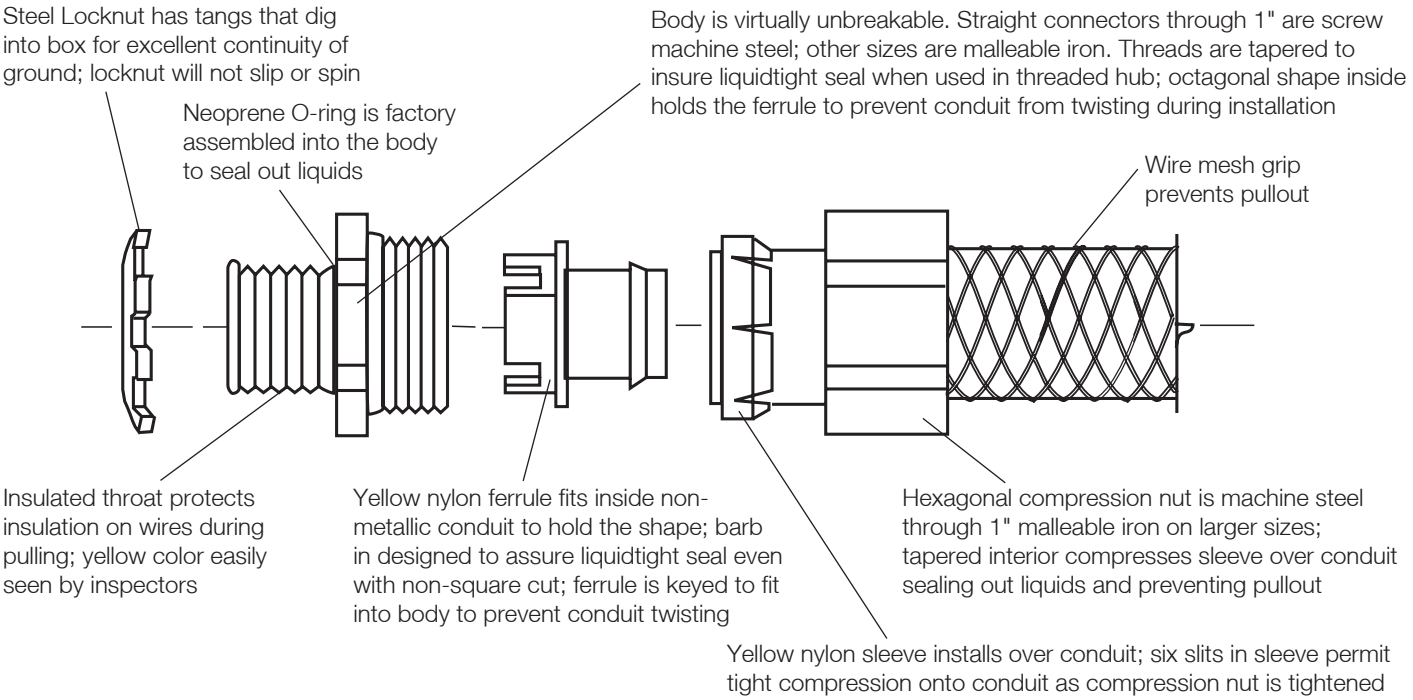
Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

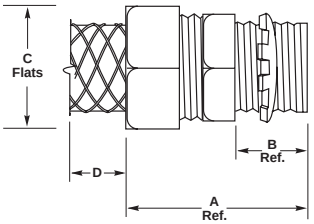
Benefits

- Provides a liquidtight seal.
- Helps prevent conduit pull-out.
- Reduces conduit cutting, kinking, fraying and splitting at the fitting.
- Easily installed.



Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

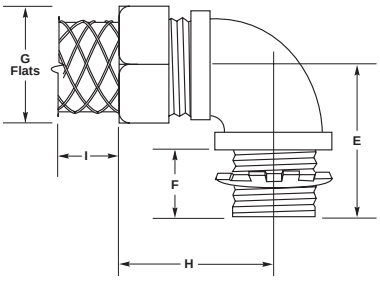
Straight with Male Fitting with Insulated Throat



Dimensions Inches (cm)

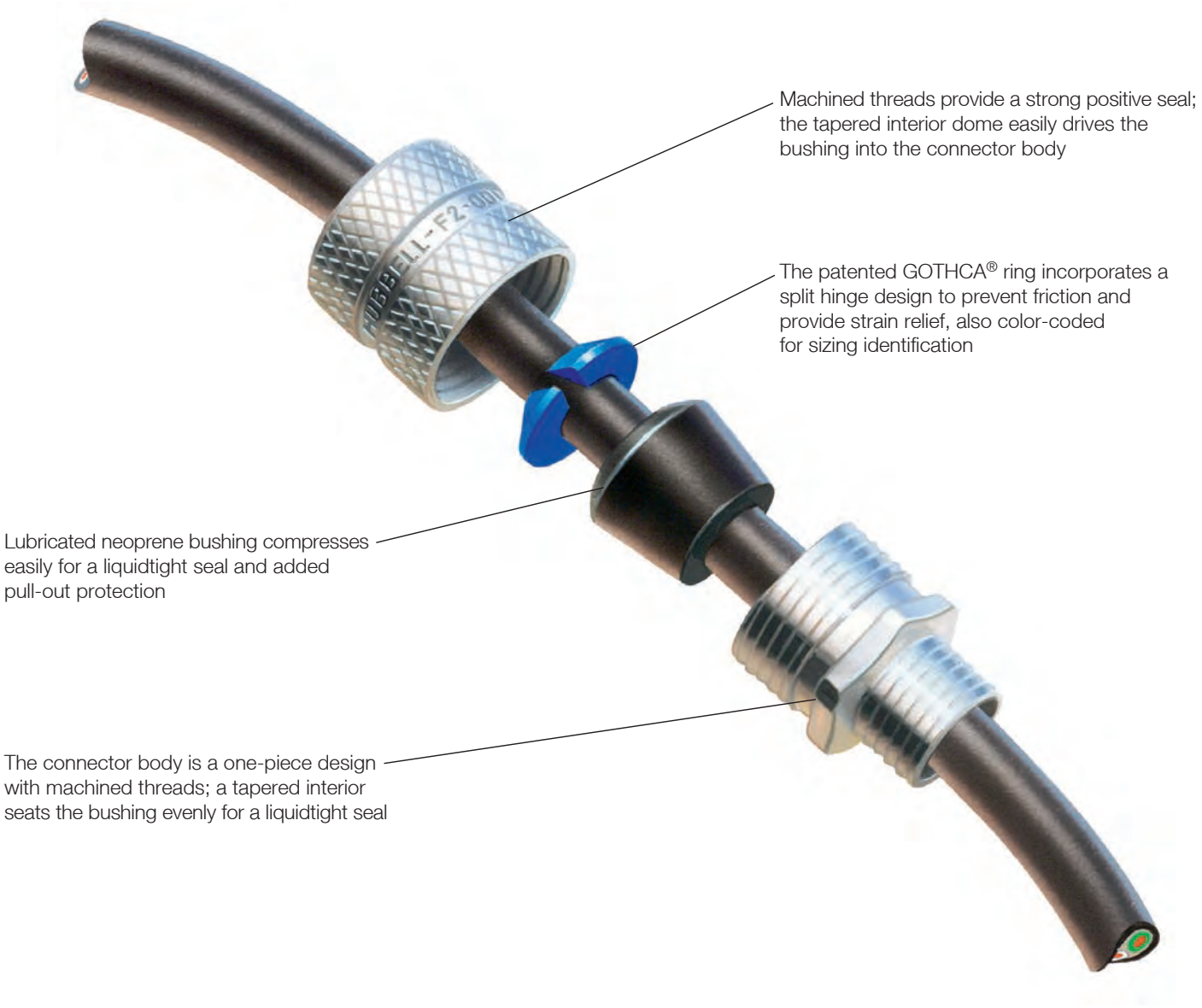
Trade Size NPT Inches	A	B	C	D	Catalog Number
⅜	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)	**H038CNK**
½	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)	**H050CNK**
¾	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)	**H075CNK**
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)	**H100CNK**
1¼	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)	**H125CNK**
1½	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)	**H150CNK**
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)	**H200CNK**

90° Angle with Male Fitting with Insulated Throat



Dimensions Inches (cm)

Trade Size NPT Inches	E	F	G	H	I	Catalog Number
⅜	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	**H0389CNK**
½	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	**H0509CNK**
¾	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	**H0759CNK**
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	**H1009CNK**
1¼	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	**H1259CNK**
1½	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	**H1509CNK**
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	**H2009CNK**



Hubbell has the broadest line and the widest choice of materials in the industry. NPT hub sizes from ¼" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

Hubbell offers a full line of machined aluminum cord connectors in NPT hub sizes ¼" through 1" and cast aluminum 1" to 3". They provide durable performance and a clean attractive look without adding unwanted weight. NPT hub sizes ¼" to 1" feature an attractive knurled finish which makes them easy to handle and maintain a U.L. listing by hand tightening.

The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and NPT hub without worrying about stripping the threads. For larger size cord, NPT hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in NPT hub sizes from ¼" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in ¼" to 1", NPT hub sizes.

Straight Male Cord Connectors

Form Size 1-3

UL Listed to
Type 4, 4X, 12 and 13

Machined Aluminum

Machined Zinc-Plated Steel

Stainless Steel

Gray Nylon

Black Nylon

Straight Male

NPT Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
				IP66* SUITABILITY				
¼	.06"-.13" (1.6-3.2)	F1	Green	—	—	—	**SHC1001CR**	—
	.13"-.19" (3.2-4.7)		Orange	**SHC1002**	—	—	**SHC1002CR**	—
	.19"-.25" (4.7-6.3)		Red	**SHC1003**	—	**SHC1003SS**	**SHC1003CR**	—
	.25"-.31" (6.3-7.9)		Black	**SHC1004**	—	**SHC1004SS**	**SHC1004CR**	—
	.31"-.38" (7.9-9.5)		White	**SHC1005****	—	—	**SHC1005CR**	**SHC2005CR**
	.38"-.44" (9.5-11)		Blue	—	—	—	**SHC1006CR**	—
⅜	.06"-.13" (1.6-3.2)	F1	Green	**SHC1007**	—	—	—	—
	.13"-.19" (3.2-4.7)		Orange	**SHC1008**	**SHC1008ZP**	—	**SHC1008CR**	**SHC2008CR**
	.19"-.25" (4.7-6.3)		Red	**SHC1009**	—	**SHC1009SS**	**SHC1009CR**	—
	.25"-.31" (6.3-7.9)		Black	**SHC1010**	**SHC1010ZP**	—	**SHC1010CR**	**SHC2010CR**
	.31"-.38" (7.9-9.5)		White	**SHC1011**	—	**SHC1011SS**	**SHC1011CR**	**SHC2011CR**
	.38"-.44" (9.5-11.0)		Blue	**SHC1012**	**SHC1012ZP**	**SHC1012SS**	**SHC1012CR**	**SHC2012CR**
½	.19"-.25" (4.7-6.3)	F1	Red	**SHC1015**	—	—	—	—
	.25"-.31" (6.3-7.9)		Black	**SHC1016**	—	—	—	—
	.31"-.38" (7.9-9.5)		White	**SHC1017**	—	—	—	—
	.38"-.44" (9.5-11.0)		Blue	**SHC1018**	—	—	—	—
½	.06"-.13" (1.6-3.2)	F2	Green	**SHC1019**	—	—	**SHC1019CR**	—
	.13"-.19" (3.2-.4.7)		Orange	**SHC1020**	**SHC1020ZP**	**SHC1020SS**	**SHC1020CR**	—
	.19"-.25" (4.7-6.3)		Red	**SHC1021**	**SHC1021ZP**	**SHC1021SS**	**SHC1021CR**	**SHC2021CR**
	.25"-.38" (6.3-.9.7)		White	**SHC1022**	**SHC1022ZP**	**SHC1022SS**	**SHC1022CR**	**SHC2022CR**
	.38"-.50" (9.7-12.7)		Blue	**SHC1023**	**SHC1023ZP**	**SHC1023SS**	**SHC1023CR**	**SHC2023CR**
	.50"-.63" (12.7-15.9)		Brown	**SHC1024**	**SHC1024ZP**	**SHC1024SS**	**SHC1024CR****	**SHC2024CR****
½	.38"-.50" (9.7-12.7)	F3	Blue	**SHC1025**	—	—	—	—
	.50"-.63" (12.7-15.9)		Brown	**SHC1026**	—	—	—	—
	.63"-.75" (15.9-19.0)		Yellow	**SHC1027****	**SHC1027ZP****	—	—	—
	.75"-.88" (19.0-22.2)		Orchid	**SHC1028****	**SHC1028ZP****	—	—	—

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page V-84 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Locknuts sold separately. See page V-84 for additional information.

IP66*
SUITABILITY

Straight Male

NPT Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
¾	.06"-.13" (1.6-3.2)	F2	Green	**SHC1029**	—	—	—	—
	.13"-.19" (3.2-4.7)		Orange	**SHC1030**	**SHC1030ZP**	—	—	—
	.19"-.25" (4.7-6.3)		Red	**SHC1031**	**SHC1031ZP**	—	—	—
	.25"-.38" (6.3-9.7)		White	**SHC1032**	**SHC1032ZP**	—	—	—
	.38"-.50" (9.7-12.7)		Blue	**SHC1033**	**SHC1033ZP**	—	—	—
	.50"-.63" (12.7-15.9)		Brown	**SHC1034**	**SHC1034ZP**	—	—	—
¾	.38"-.50" (9.5-12.7)	F3	Blue	—	**SHC1035ZP**	**SHC1035SS**	**SHC1035CR**	**SHC2035CR**
	.50"-.63" (12.7-15.9)		Brown	**SHC1036**	—	**SHC1036SS**	**SHC1036CR**	**SHC2036CR**
	.63"-.75" (15.9-19.0)		Yellow	**SHC1037**	**SHC1037ZP**	**SHC1037SS**	**SHC1037CR**	**SHC2037CR**
	.75"-.88" (19.0-22.2)		Orchid	**SHC1038****	**SHC1038ZP****	**SHC1038SS****	**SHC1038CR****	**SHC2038CR****
1	.50"-.63" (12.7-15.9)	F3	Brown	—	**SHC1097ZP**	—	—	—
	.63"-.75" (15.9-19.0)		Yellow	—	**SHC1098ZP**	—	—	—
	.75"-.88" (19.0-22.2)		Orchid	—	**SHC1099ZP**	—	—	—
1	.38"-.50" (9.7-12.7)	F4	Blue	**SHC1039**	—	—	**SHC1039CR**	—
	.50"-.63" (12.7-15.9)		Brown	**SHC1040**	—	—	**SHC1040CR**	**SHC2040CR**
	.63"-.75" (15.9-19.0)		Yellow	**SHC1041**	—	**SHC1041SS**	**SHC1041CR**	**SHC2041CR**
	.75"-.88" (19.0-22.2)		Orchid	**SHC1042**	—	**SHC1042SS**	**SHC1042CR**	**SHC2042CR**
	.88"-1.00" (22.2-25.4)		Gray	**SHC1043**	**SHC1043ZP**	**SHC1043SS**	**SHC1043CR**	**SHC2043CR**
	1.00"-1.13" (25.4-28.6)		Pink	**SHC1044****	—	**SHC1044SS****	**SHC1044CR****	**SHC2044CR****

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page V-84 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
Locknuts sold separately. See page V-84 for additional information.

Machined Aluminum

Machined Zinc-Plated Steel

Stainless Steel

Gray Nylon

Black Nylon

Cast Aluminum

Cast Aluminum
Malleable Iron

Straight Male

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	IP66* SUITABILITY Cast Aluminum	Malleable Iron
1	.88"-1.00"	(22.2-25.4)	F5	**SHC1046**	—
	1.00"-1.13"	(25.4-28.6)		**SHC1047****	—
	1.13"-1.25"	(28.6-31.7)		**SHC1048****	—
	1.25"-1.38"	(31.7-34.9)		**SHC1049****	—
1¼	.75"-.88"	(19.0-22.2)	F5	**SHC1050**	—
	.88"-1.00"	(22.2-25.4)		**SHC1051**	—
	1.00"-1.13"	(25.4-28.6)		**SHC1052**	**SHC1052ZP**
	1.13"-1.25"	(28.6-31.7)		**SHC1053**	**SHC1053ZP**
	1.25"-1.38"	(31.7-34.9)		**SHC1054****	**SHC1054ZP**
1½	.75"-.88"	(19.0-22.2)	F5	**SHC1055**	—
	.88"-1.00"	(22.2-25.4)		**SHC1056**	—
	1.00"-1.13"	(25.4-28.6)		**SHC1057**	**SHC1057ZP**
	1.13"-1.25"	(28.6-31.7)		**SHC1058**	**SHC1058ZP**
	1.25"-1.38"	(31.7-34.9)		**SHC1059**	**SHC1059ZP**
1½	1.38"-1.50"	(34.9-38.1)	F6	**SHC1061**	—
	1.50"-1.63"	(38.1-41.3)		**SHC1062****	—
	1.63"-1.75"	(41.3-44.4)		**SHC1063****	—
	1.75"-1.88"	(44.4-47.6)		**SHC1064****	—
2	1.25"-1.38"	(31.7-34.9)	F6	**SHC1065**	—
	1.38"-1.50"	(34.9-38.1)		**SHC1066**	—
	1.50"-1.63"	(38.1-41.3)		**SHC1067**	—
	1.63"-1.75"	(41.3-44.4)		**SHC1068**	—
	1.75"-1.88"	(44.4-47.6)		**SHC1069**	—
2	1.69"-1.81"	(42.9-46.0)	F7	**SHC1070**	—
	1.81"-1.94"	(46.0-49.2)		**SHC1071**	—
	1.94"-2.06"	(49.2-52.4)		**SHC1072****	—
	2.06"-2.19"	(52.4-55.6)		**SHC1073****	—
	2.19"-2.31"	(55.6-58.7)		**SHC1074****	—
2½	1.69"-1.81"	(42.9-46.0)	F7	**SHC1076**	—
	1.81"-1.94"	(46.0-49.2)		**SHC1077**	—
	1.94"-2.06"	(49.2-52.4)		**SHC1078**	—
	2.06"-2.19"	(52.4-55.6)		**SHC1079**	—
	2.19"-2.31"	(55.6-58.7)		**SHC1080**	—
	2.31"-2.44"	(58.7-61.9)		**SHC1081****	—
3	1.69"-1.81"	(42.9-46.0)	F7	**SHC1086**	—
	1.94"-2.06"	(49.2-52.4)		**SHC1088**	—
	2.06"-2.19"	(52.4-55.6)		**SHC1089**	—
	2.19"-2.31"	(55.6-58.7)		**SHC1090**	—
	2.31"-2.44"	(58.7-61.9)		**SHC1091**	—
3	2.44"-2.63"	(61.9-66.7)	F8	**SHC1092**	—
	2.63"-2.81"	(66.7-71.4)		**SHC1093**	—
	2.81"-3.00"	(71.4-76.2)		**SHC1094**	—
	3.00"-3.25"	(76.2-82.5)		**SHC1095****	—

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page V-84 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
F5 and larger will not be color coded.
Locknuts sold separately. See page V-84 for additional information.

IP66*
SUITABILITY

45° Male

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel∆	Cast Aluminum
½	.19"-.25"	(4.7-6.3)	F2	Red	**VHC1021**	—	—
	.25"-.38"	(6.3-9.7)		White	**VHC1022**	**VHC1022ZP**	—
	.38"-.50"	(9.7-12.7)		Blue	**VHC1023**	**VHC1023ZP**	—
	.50"-.63"	(12.7-15.9)		Brown	**VHC1024****	**VHC1024ZP****	—
¾	.38"-.50"	(9.7-12.7)	F3	Blue	**VHC1035**	—	—
	.50"-.63"	(12.7-15.9)		Brown	**VHC1036**	—	—
	.63"-.75"	(15.9-19.0)		Yellow	**VHC1037****	—	—
1	.63"-.75"	(15.9-19.0)	F4	Yellow	**VHC1041**	—	—
	.75"-.88"	(19.0-22.2)		Orchid	**VHC1042**	—	—
1¼	1.00"-1.13"	(25.4-28.6)	F5		—	—	**VHC1052**
	1.13"-1.25"	(28.6-31.7)			—	—	**VHC1053****

90° Male

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel∆	Nylon Gray	Nylon Black	Cast Aluminum
⅜	.25"-.31"	(6.3-7.9)	F1	Black	**NHC1010**	—	—	—	—
	.31"-.38"	(7.9-9.5)		White	**NHC1011**	—	—	—	—
	.38"-.44"	(9.5-11.0)		Blue	**NHC1012**	—	—	—	—
½	.06"-.13"	(1.6-3.2)	F2	Green	—	—	—	—	—
	.13"-.19"	(3.2-4.7)		Orange	**NHC1020**	—	**NHC1020CR**	—	—
	.19"-.25"	(4.7-6.3)		Red	**NHC1021**	**NHC1021ZP**	**NHC1021CR**	—	—
	.25"-.38"	(6.3-9.7)		White	**NHC1022**	**NHC1022ZP**	**NHC1022CR**	**NHC2022CR**	—
	.38"-.50"	(9.7-12.7)		Blue	**NHC1023**	**NHC1023ZP**	**NHC1023CR**	**NHC2023CR**	—
	.50"-.63"	(12.7-15.9)		Brown	**NHC1024****	**NHC1024ZP****	**NHC1024CR****	**NHC2024CR****	—
¾	.38"-.50"	(9.7-12.7)	F3	Blue	**NHC1035**	**NHC1035ZP**	**NHC1035CR**	—	—
	.50"-.63"	(12.7-15.9)		Brown	**NHC1036**	**NHC1036ZP**	**NHC1036CR**	—	—
	.63"-.75"	(15.9-19.0)		Yellow	**NHC1037**	**NHC1037ZP**	**NHC1037CR**	—	—
	.75"-.88"	(19.0-22.2)		Orchid	**NHC1038**	**NHC1038ZP**	**NHC1038CR**	—	—
1	.50"-.63"	(12.7-15.9)	F4	Brown	**NHC1040**	—	—	—	—
	.63"-.75"	(15.9-19.0)		Yellow	**NHC1041**	**NHC1041ZP**	**NHC1041CR**	**NHC2041CR**	—
	.75"-.88"	(19.0-22.2)		Orchid	**NHC1042**	—	**NHC1042CR**	**NHC2042CR****	—
	.88"-1.00"	(22.2-25.4)		Gray	**NHC1043****	—	**NHC1043CR**	**NHC2043CR****	—
	1.00"-1.13"	(25.4-28.7)		Pink	**NHC1044****	—	—	—	—
1¼	.88"-1.00"	(22.2-25.4)	F5	—	—	—	—	—	**NHC1051**
	1.00"-1.13"	(25.4-28.6)		—	—	—	—	—	**NHC1052**
	1.13"-1.25"	(28.6-31.7)		—	—	—	—	—	**NHC1053****
	1.25"-1.38"	(31.7-34.9)		—	—	—	—	—	**NHC1054****
1½	1.00"-1.13"	(25.4-28.6)	F5	—	—	—	—	—	**NHC1057**
	1.13"-1.25"	(28.6-31.7)		—	—	—	—	—	—
	1.25"-1.38"	(31.7-34.9)		—	—	—	—	—	**NHC1059**
2	1.38"-1.50"	(34.9-38.1)	F6	—	—	—	—	—	**NHC1066**

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page V-84 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
†Nuts are machined aluminum and bodies are cast aluminum.
∆Compression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron. Locknuts sold separately. See page V-84 for additional information.

Straight Female, Underground Feeder and Metric Connectors

Form Size 1-4

Machined Aluminum

Straight Female

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Color Code	Machined Aluminum
½	.25"-.38"	(6.3-9.7)	F2	White	**FHC1022**
	.38"-.50"	(9.7-12.7)		Blue	**FHC1023**
¾	.38"-.50"	(9.7-12.7)	F2	Blue	**FHC1033**
	.50"-.63"	(12.7-15.9)		Brown	**FHC1034**
1	.75"-.88"	(19.0-22.2)	F4	Orchid	**FHC1042†**
	.88"-1.00"	(22.2-25.4)		Gray	**FHC1043†**

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
**Cable jacket may have to be stripped to pass through connector body.*
†Nuts are machined aluminum and bodies are cast aluminum.

Machined Aluminum

Machined Zinc-Plated Steel

IP66*
SUITABILITY

Underground Feeder Connectors

NPT Hub Size	Cord Diameter Inches	(mm)	Wire Size	UF** Machined Aluminum	Machined Zinc-Plated Steel	Nylon Gray	Nylon Black
½	.2"x.4" min .25"-.55" max	(5.1 x 10.2) (6.3 x 14.0)	2 # 14, 2 # 12, 2 # 10.	**UFC0001**	**UFC0001ZP**	**UFC0001CR**	**UFC2001CR**
¾	.2"x.4" min .25"-.55" max	(5.1x10.2) (6.3x14.0)	2 # 14, 2 # 12, 2 # 10.	**UFC0002**	—	—	—
¾	.2"x.6" min .26"x.78" max	(5.1x15.2) (6.6x19.8)	3 # 14, 3 # 12, 3 # 10.	**UFC0003**	—	**UFC0003CR**	**UFC2003CR**

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page V-84 for additional information.*
***Wire sizes vary among manufacturers.*
Locknuts sold separately, see page V-84 for additional information.

Gray Nylon

Machined Aluminum

Metric Aluminum Cord Connectors

UL Listed to Type 4, 4X, 12 and Type 13†

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Catalog Number
M16	.31"-.38"	(7.9-9.7)	F1	**SHCM161011**
M20	.31"-.38"	(7.9-9.7)	F1	**SHCM201017**
M20	.25"-.38"	(6.3-9.7)	F2	**SHCM201022**
	.38"-.50"	(9.7-12.7)		**SHCM201023**
	.50"-.62"	(12.7-15.8)		**SHCM201024**
M25	.38"-.50"	(9.7-12.7)	F2	**SHCM251033**
	.50"-.62"	(12.7-15.8)		**SHCM251034**
M30	.63"-75"	(15.9-19.0)	F3	**SHCM301037**

Note: †When used with metal clad O-ring, see page V-84 for additional information.
Non-metallic Locknuts sold separately, see page V-84 for additional information.

IP66*
SUITABILITY

Low Profile NPT Cord Connectors

NPT Hub Size	Cord Diameter Inches	(mm)	Color	Catalog Number	Non-metallic Locknuts
⅜	.18"-.31"	(4.6-7.9)	Gray	**SEC38GA***	**31622002LPK50**
⅜	.18"-.31"	(4.6-7.9)	Black	**SEC38BA***	**31622002LPK50**
½	.17"-.45"	(4.3-11.4)	Gray	**SEC50GA**	**31622003LPK50**
½	.17"-.45"	(4.3-11.4)	Black	**SEC50BA**	**31622003LPK50**
¾	.45"-.71"	(11.4-18.0)	Gray	**SEC75GA**	**31622007LPK50**
¾	.45"-.71"	(11.4-18.0)	Black	**SEC75BA**	**31622007LPK50**
1	.59"-1.00"	(15-25.4)	Gray	**SEC100GA**	**31622008LPK50**
1	.59"-1.00"	(15-25.4)	Black	**SEC100BA**	**31622008LPK50**

SEC100BA

Note: See pages V-87 to V-95 for technical information and dimensional drawings.
Catalog numbers with "PK50" suffix are bulk packed 50 pieces.

Low Profile PG$^{\Delta}$ Cord Connectors

Hub Size	Cord Diameter Inches	(mm)	Color	Catalog Number	Non-metallic Locknuts
PG7	.11"-.25"	(2.9-6.4)	Gray	**SECP7GA***	**LNP7BPK100**
PG7	.11"-.25"	(2.9-6.4)	Black	**SECP7BA***	**LNP7BPK100**
PG9	.18"-.31"	(4.6-7.9)	Gray	**SECP9GA***	**LNP9BPK100**
PG9	.18"-.31"	(4.6-7.9)	Black	**SECP9BA***	**LNP9BPK100**
PG11	.23"-.40"	(5.8-10.0)	Gray	**SECP11GA***	**LNP11BPK100**
PG11	.23"-.40"	(5.8-10.0)	Black	**SECP11BA***	**LNP11BPK100**
PG13.5	.17"-.47"	(4.3-11.9)	Gray	**SECP13GA**	**LNP13BPK100**
PG13.5	.17"-.47"	(4.3-11.9)	Black	**SECP13BA**	**LNP13BPK100**
PG16	.23"-.53"	(5.8-13.5)	Gray	**SECP16GA**	**LNP16BPK100**
PG16	.23"-.53"	(5.8-13.5)	Black	**SECP16BA**	**LNP16BPK100**
PG21	.45"-.71"	(11.4-17.9)	Gray	**SECP21GA**	**LNP21BPK100**
PG21	.45"-.71"	(11.4-17.9)	Black	**SECP21BA**	**LNP21BPK100**
PG29	.59"-.99"	(15-25.2)	Gray	**SECP29GA**	**LNP29BPK25**
PG29	.59"-.99"	(15-25.2)	Black	**SECP29BA**	**LNP29BPK25**
PG36	.88"-1.30"	(22.2-32.0)	Gray	**SECP36GA**	**LNP36BPK25**
PG36	.88"-1.30"	(22.2-32.0)	Black	**SECP36BA**	**LNP36BPK25**

SECP29GA

Low Profile Metric Cord Connectors

Hub Size	Cord Diameter Inches	(mm)	Color	Catalog Number	Non-metallic Locknuts
M12	.12"-.25"	(2.9-6.4)	Gray	**SECM12G**	**LNM12BPK100**
M12	.12"-.25"	(2.9-6.4)	Black	**SECM12B**	**LNM12BPK100**
M16	.11"-.31"	(2.7-7.9)	Gray	**SECM16G**	**LNM16BPK100**
M16	.11"-.31"	(2.7-7.9)	Black	**SECM16B**	**LNM16BPK100**
M20	.17"-.45"	(4.3-11.4)	Gray	**SECM20G***	**LNM20BPK100**
M20	.17"-.45"	(4.3-11.4)	Black	**SECM20B***	**LNM20BPK100**
M25	.49"-.71"	(12.3-18.0)	Gray	**SECM25G***	**LNM25BPK100**
M25	.49"-.71"	(12.3-18.0)	Black	**SECM25B***	**LNM25BPK100**
M32	.59"-1.00"	(15.0-25.4)	Gray	**SECM32G***	**LNM32BPK100**
M32	.59"-1.00"	(15.0-25.4)	Black	**SECM32B***	**LNM32BPK100**
M40	.87"-1.30"	(22.0-32.0)	Gray	**SECM40G**	**LNM40BPK100**
M40	.87"-1.30"	(22.0-32.0)	Black	**SECM40B**	**LNM40BPK100**

LNP29BPK25

Note: See pages V-87 to V-96 for technical information and dimensional drawings.
Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton.
Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.
**Items indicated are UL recognized components.*
$^{\Delta}$Panzergewinde.

SEC100BSMH9

Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches	(mm)	Color	Holes	Catalog Number
½	.205"	(5.2mm)	Black	2	**SEC50B252**
¾	.205"	(5.2mm)	Black	3	**SEC75B352**
¾	.205"	(5.2mm)	Black	4	**SEC75B452**
½	.220"	(5.6mm)	Black	3	**SEC50B356**
1	.215"	(5.5mm)	Black	9*	**SEC100BSMH9**
1¼	.215"	(5.5mm)	Black	13*	**SEC125BSMH13**

*Note: *Skinned bushings, field configurable.*

Cord Connector Parts

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Bushing Catalog Number	Color Code	GOTCHA® Ring Catalog Number
¼, ⅜, ½	.062"-.125"	(1.58-3.17)	F1	**31518101BPK100**	Green	**31648035GPK100**
	.125"-.187"	(3.17-4.76)		**31518102BPK100**	Orange	**31648036GPK100**
	.187"-.250"	(4.76-6.35)		**31518103BPK100**	Red	**31648037GPK100**
	.250"-.312"	(6.35-7.93)		**31518104BPK100**	Black	**31648038GPK100**
	.312"-.375"	(7.93-9.50)		**31518105BPK100**	White	**31605010GPK100**
	.375"-.437"	(9.50-11.1)		**31518106BPK100**	Blue	**31648039GPK100**
½, ¾	.187"-.250"	(4.76-6.35)	F2	**31518110BPK100**	Red	**31648042GPK100**
	.250"-.375"	(6.35-9.50)		**31518111BPK100**	White	**31605015GPK100**
	.375"-.500"	(9.50-12.7)		**31518112BPK100**	Blue	**31648043GPK100**
	.500"-.625"	(12.7-15.8)		**31518113BPK100**	Brown	**31648044GPK100**
½, ¾	.375"-.500"	(9.50-12.7)	F3	**31518116BPK100**	Blue	**31648045GPK100**
	.500"-.625"	(12.7-15.8)		**31518117BPK100**	Brown	**31648046GPK100**
	.625"-.750"	(15.8-19.0)		**31518118BPK100**	Yellow	**31648047GPK100**
	.750"-.875"	(19.0-22.2)		**31518119BPK100**	Orchid	**31648048GPK100**
1	.500"-.625"	(12.7-15.8)	F4	**31518123BPK100**	Brown	**31648050GPK100**
	.625"-.750"	(15.8-19.0)		**31518124BPK100**	Yellow	**31648051GPK100**
	.750"-.875"	(19.0-22.2)		**31518125BPK100**	Orchid	**31648052GPK100**
	.875"-1.00"	(22.2-25.4)		**31518126BPK100**	Gray	**31648053GPK100**
	1.00"-1.125"	(25.4-28.5)		**31518127BPK100**	Pink	**31648054GPK100**

Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton

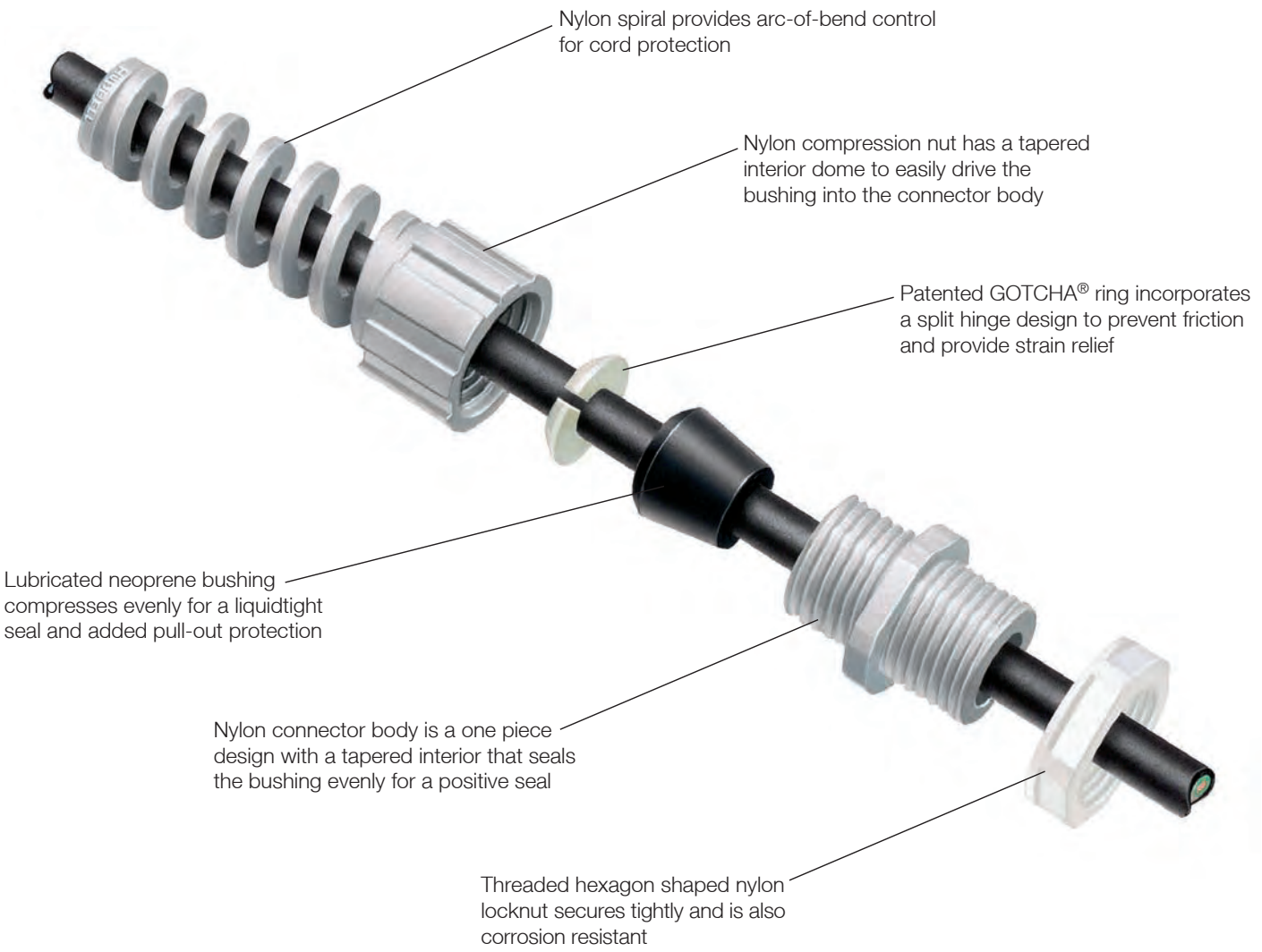
Locknuts and Metal Clad Sealing O-Rings

NPT Hub Size	Zinc-Plated Steel Locknuts	Non-Metallic Locknuts	Metal Clad Sealing O-Rings*
¼	—	**31622001LPK50**	—
⅜	—	**31622002LPK50**	—
½	**00322001LPK50**	**31622003LPK50**	**20509001**
¾	**00322002LPK50**	**31622007LPK50**	**20509002**
1	**00322003LPK50**	**31622008LPK50**	**20509003**
1¼	**00322004LPK50**	—	**20509004**
1½	**00322005LPK50**	—	**20509005**
2	—	—	**20509006**
2½	—	—	**20509007**
3	—	—	**20509008**

Note: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton.
See page V-96 for technical information and dimensional drawings.
**UL listed and CSA certified.*

Hubbell Juniors® Miniature Connectors

Features and Benefits



Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors. They feature the same GOTCHA® ring technology and neoprene bushings.

They also come with or without a nylon spiral for arc-of-bend control and longer cord life. They are available in ¼", ⅜", and ½" NPT sizes in both gray and black.

Gray Cord Connector

Black Cord Connector

Miniature Nylon Cord Connector

NPT Hub Size	Cord Diameter Range Inches	(mm)	Gray	Black
	.08"-.14"	(1.9-3.4)	**HJ1001GPK25**	**HJ1001BPK25**
¼	.14"-.20"	(3.4-5.1)	**HJ1002GPK25**	**HJ1002BPK25**
	.20"-.27"	(5.1-6.7)	**HJ1003GPK25**	**HJ1003BPK25**
	.15"-.21"	(3.7-5.3)	**HJ1004GPK25**	**HJ1004BPK25**
⅜	.21"-.28"	(5.3-7.0)	**HJ1005GPK25**	**HJ1005BPK25**
	.28"-.34"	(7.0-8.6)	**HJ1006GPK25**	**HJ1006BPK25**
	.06"-.13"	(1.6-3.2)	**HJ1055GPK25**	**HJ1055BPK25**
	.13"-.19"	(3.2-4.7)	**HJ1056GPK25**	**HJ1056BPK25**
½	.19"-.25"	(4.7-6.3)	**HJ1057GPK25**	**HJ1057BPK25**
	.25"-.31"	(6.3-7.9)	**HJ1058GPK25**	**HJ1058BPK25**
	.31"-.38"	(7.9-9.5)	**HJ1059GPK25**	**HJ1059BPK25**
	.38"-.44"	(9.5-11.1)	**HJ1060GPK25**	**HJ1060BPK25**

Gray Cord Connector with Spiral

Black Cord Connector with Spiral

Miniature Nylon Cord Connector with Spiral

NPT Hub Size	Cord Diameter Range Inches	(mm)	Gray	Black
	.08"-.14"	(1.9-3.4)	**HJ1010GPK25**	**HJ1010BPK25**
¼	.14"-.20"	(3.4-5.1)	**HJ1011GPK25**	**HJ1011BPK25**
	.20"-.27"	(5.1-6.7)	**HJ1012GPK25**	**HJ1012BPK25**
	.15"-.21"	(3.7-5.3)	**HJ1013GPK25**	**HJ1013BPK25**
⅜	.21"-.28"	(5.3-7.0)	**HJ1014GPK25**	**HJ1014BPK25**
	.28"-.34"	(7.0-8.6)	**HJ1015GPK25**	**HJ1015BPK25**
	.13"-.19"	(3.2-4.7)	**HJ1038GPK25**	**HJ1038BPK25**
	.19"-.25"	(4.7-6.3)	**HJ1039GPK25**	**HJ1039BPK25**
½	.25"-.31"	(6.3-7.9)	**HJ1040GPK25**	**HJ1040BPK25**
	.31"-.38"	(7.9-9.5)	**HJ1041GPK25**	**HJ1041BPK25**
	.38"-.44"	(9.5-11.1)	**HJ1042GPK25**	**HJ1042BPK25**
¾	.25"-.49"	(6.4-12.3)	**HJ1043GPK25***	**HJ1043BPK25***
	.45"-.71"	(11.4-18.0)	**HJ1044GPK25***	**HJ1044BPK25***

*Note: *Locknuts sold separately, see page V-84 for additional information.*

Gray Snap-In Cord Connector

Black Snap-In Cord Connector

Miniature Nylon Snap-In Cord Connector with Spiral

Cord Diameter Range Inches	(mm)	For Chassis Thickness	Gray	Black
.22"-.27"	(5.6-6.9)	.10" (2.5) Max	**HS1001GPK25**	**HS1001BPK25**
.28"-.32"	(7.1-8.1)	.10" (2.5) Max	**HS1002GPK25**	**HS1002BPK25**
.30"-.36"	(7.6-9.1)	.13" (3.2) Max	**HS1003GPK25**	**HS1003BPK25**
.32"-.43"	(8.1-10.9)	.13" (3.2) Max	**HS1004GPK25**	**HS1004BPK25**

Note: Catalog numbers above with "PK25" suffix, i.e. HJ1001GPK25, are bulk packed 25 per carton.
See page V-97 for technical information and dimensional drawings.

Operating Temperatures

Material	Temperature Range	
Aluminum	-40°F to +300°F	(-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F	(-40°C to +107°C)
Plated steel*	-60°F to +1000°F	(-51°C to +537°C)
Stainless steel*	-60°F to +1000°F	(-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F	(-34°C to +115°C)

*Note: *Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).*
Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.

Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

Approvals

Agency
UL Listed in accordance with Standard 514B for indoor/outdoor use.
CSA Certified.
United States Coast Guard Approved, Title 46-Part 111.

Form Size Definition

The term “Form Size” refers to the physical overall size of a cord connector.
Form 1 is the smallest size.
Form 8 is the largest size.

Knockout Holes

NPT Min. to Max. Hub Size	Knockout Hole Recommended Inches	(mm)	Knockout Hole Recommended PG Hub Size	Inches	(mm)	Knockout Hole Recommended Metric Hub Size	Inches	(mm)
¼	.54"-.57"	(13.7-14.5)	PG7	492"	(12.5)	M12	.472"	(12)
⅜	.67"-.70"	(17.0-17.8)	PG9	599"	(15.2)	M16	.629"	(16)
½	.86"-.91"	(21.8-23.0)	PG11	.733"	(18.6)	M20	.787"	(20)
¾	1.04"-1.09"	(26.4-27.8)	PG13.5	.804"	(20.4)	M25	.984"	(25)
1	1.36"-1.41"	(34.5-35.7)	PG16	.888"	(22.5)	M32	1.25"	(32)
1¼	1.72"-1.77"	(43.7-44.9)	PG21	1.15"	(28.3)	M40	1.57"	(40)
1½	1.97"-2.02"	(50.0-51.2)	PG29	1.47"	(34.3)			
2	2.45"-2.50"	(62.3-63.5)	PG36	1.85"	(47.0)			
2½	2.95"-3.00"	(75.0-76.2)						
3	3.58"-3.63"	(90.9-92.1)						

NPT, PG and Metric Thread Low Profile Connectors

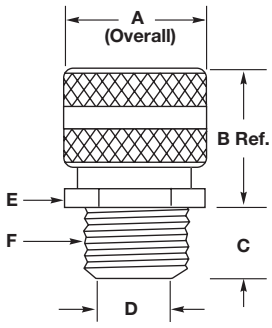
Specifications	
Material	6/6 Nylon.
Gland	Buna N.
Temperature Range	-22°F to 225°F (-30°C to 107°C). Cord Connectors are Halogen and Silicon free.
Protection Class	IP66 Suitability.
Flammability	UL 94V-2.
Listings/Certifications	UL Listing File E-41567, UL Recognition File E-41567. CSA File LR27378C, VDE Marks Licence #136681.

SECP29G

Straight Hubbell Connectors

		Aluminum Inches (mm)						Nylon Inches (mm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
¼-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.32" (8.1)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.33" (8.4)	.1.00" (25.4)	.93" (23.6)
⅜-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
½-14	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	1.00" (25.4)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.46" (11.7)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.53" (13.5)	.58" (14.7)	1.25" (31.7)	1.12" (28.4)
½-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	—	—	—	—	—	—
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—
¾-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.55" (14.0)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)
1-11½	4	1.75" (44.4)	1.60" (40.6)	.71" (18.0)	1.02" (25.9)	1.81" (46.0)	1.62" (41.1)	1.88" (47.8)	1.75" (44.4)	.70" (17.8)	1.01" (25.7)	1.84" (46.7)	1.63" (41.4)
1-11½	5	2.31" (58.7)	1.70" (43.2)	.66" (16.8)	1.01" (25.7)	2.28" (57.9)	2.00" (50.8)	—	—	—	—	—	—
1¼-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.26" (32.0)	2.28" (57.9)	2.12" (53.8)	—	—	—	—	—	—
1½-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.38" (35.1)	2.28" (57.9)	2.12" (53.8)	—	—	—	—	—	—
1½-11½	6	3.00" (76.2)	2.20" (55.9)	.75" (19.0)	1.50" (38.1)	2.97" (75.4)	2.75" (69.8)	—	—	—	—	—	—
2-11½	6	3.00" (76.2)	2.20" (55.9)	.80" (20.3)	1.92" (48.8)	3.24" (82.4)	3.00" (76.2)	—	—	—	—	—	—
2-11½	7	3.85" (97.8)	2.70" (68.6)	.88" (22.4)	1.94" (49.3)	4.05" (102.9)	3.75" (95.2)	—	—	—	—	—	—
2½-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.32" (58.9)	4.34" (110.2)	4.02" (102.1)	—	—	—	—	—	—
2½-8	8	4.75" (120.6)	2.70" (68.6)	1.25" (31.7)	2.38" (60.5)	4.86" (123.4)	4.50" (114.3)	—	—	—	—	—	—
3-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.54" (64.5)	4.34" (110.2)	4.02" (102.1)	—	—	—	—	—	—
3-8	8	4.50" (114.3)	2.70" (68.6)	1.38" (35.1)	3.00" (76.2)	4.86" (123.4)	4.50" (114.3)	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*

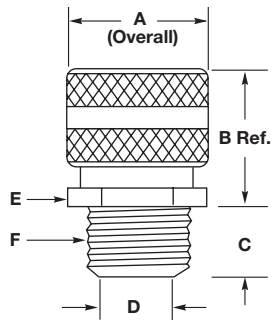


Dimensions shown are approximate and are subject to change without notice.

Straight Hubbell Connectors

		Zinc-Plated Steel Inches (mm)							Stainless Steel Inches (mm)						
F NPT Inches	Form	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
¼- 18	1	—	—	—	—	—	—	—	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.38" (9.7)	.87" (22.1)	.75" (19.0)
⅜-18	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.42" (10.7)	.45" (11.4)	.99" (25.1)	.88" (22.4)	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.45" (11.4)	.87" (22.1)	.75" (19.0)
½-14	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.55" (14.0)	.45" (11.4)	1.00" (25.4)	.88" (22.4)	—	—	—	—	—	—	—
½-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.10" (28.2)	1.00" (25.4)	1.30" (33.0)	1.13" (28.7)	1.10" (27.9)	.54" (13.7)	.63" (16.0)	1.16" (29.5)	1.00" (25.4)
½-14	3	1.55" (39.4)	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	—	—	—	—	—	—	—
¾-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—	—
¾-14	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.59" (40.4)	1.38" (35.1)	1.30" (33.0)	.56" (14.2)	.81" (20.6)	1.44" (36.6)	1.25" (31.7)
1-11½	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.70" (17.8)	.89" (22.6)	1.54" (39.1)	1.38" (35.1)	—	—	—	—	—	—	—
1-11½	4	1.92" (48.8)	1.69" (42.9)	1.60" (40.6)	.70" (17.8)	1.02" (25.9)	1.95" (49.5)	1.69" (42.9)	2.02" (51.3)	1.75" (44.4)	1.40" (35.6)	.70" (17.8)	1.03" (26.2)	1.88" (47.8)	1.63" (41.4)
1-11½	5	2.40" (61.0)	—	1.70" (43.2)	.70" (17.8)	1.02" (25.9)	2.46" (62.5)	2.15" (54.6)	—	—	—	—	—	—	—
1¼-11½	5	2.40" (61.0)	—	1.70" (43.2)	.73" (18.5)	1.27" (32.3)	2.48" (63.0)	2.19" (55.6)	—	—	—	—	—	—	—
1½-11½	5	2.40" (61.0)	—	1.70" (43.2)	.74" (18.8)	1.39" (35.3)	2.48" (63.0)	2.19" (55.6)	—	—	—	—	—	—	—
1½-11½	6	3.06" (77.7)	—	2.20" (55.9)	.75" (19.0)	1.52" (38.6)	3.04" (77.2)	2.83" (71.9)	—	—	—	—	—	—	—
2-11½	6	3.06" (77.7)	—	2.20" (55.9)	.78" (19.8)	1.92" (48.8)	3.32" (84.3)	3.07" (78.0)	—	—	—	—	—	—	—
2-11½	7	3.95" (100.3)	—	2.70" (68.6)	.78" (19.8)	1.99" (50.5)	4.18" (106.2)	3.89" (98.8)	—	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions shown are approximate and are subject to change without notice.

45° Hubbell Connectors

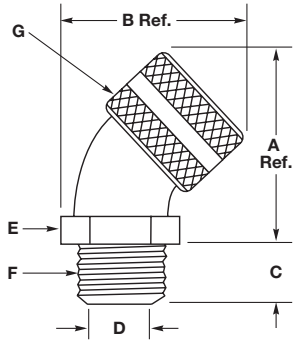
		Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
F		A	B	C	D	E		G	A	B	C	D	E		G	
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats
½-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
¾-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	—	—	—	—	—	—	—	—
1-11½	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	—	—	—	—	—	—	—	—
1½-11½	5	3.90" (99.1)	3.90" (9.91)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	—	—	—	—	—	—	—	—
1½-11½	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	—	—	—	—	—	—	—	—

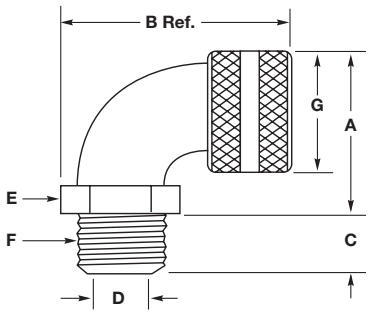
90° Hubbell Connectors

		Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
F		A	B	C	D	E		G	A	B	C	D	E		G	
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats
⅜-18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	—	—	—	—	—	—	—	—
½-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
¾-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1-11½	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
1¼-11½	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	—	—	—	—	—	—	—	—
1½-11½	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	—	—	—	—	—	—	—	—
2-11½	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	—	—	—	—	—	—	—	—

90° Hubbell Connectors

		Nylon Inches (mm)						
F		A	B	C	D	E		G
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.
⅜-18	1	—	—	—	—	—	—	—
½-14	2	1.41" (35.8)	2.50" (63.5)	.55" (14.0)	.58" (14.6)	1.23" (31.2)	1.12" (28.2)	1.32" (33.4)
¾-14	3	1.65" (41.9)	2.81" (71.4)	.56" (14.2)	.77" (19.4)	1.42" (36.1)	1.29" (32.8)	1.56" (39.6)
1-11½	4	1.99" (50.5)	3.30" (83.8)	.70" (17.8)	1.01" (25.7)	1.82" (46.2)	1.60" (40.6)	1.88" (47.6)

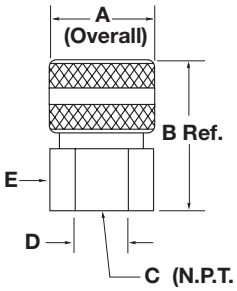


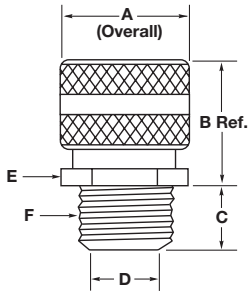


Dimensions shown are approximate and are subject to change without notice.

Female Hubbell Connectors

		Aluminum Inches (mm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats
⅜-18	1	.88" (22.4)	1.40" (35.6)	.56" (14.2)	.44" (11.2)	.94" (23.9)	.81" (20.6)
½-14	2	1.13" (28.7)	1.80" (45.7)	.56" (14.2)	.63" (16.0)	1.15" (29.2)	1.00" (25.4)
¾-14	2	1.13" (28.7)	2.10" (53.3)	.75" (19.0)	.63" (16.0)	1.44" (36.6)	1.25" (31.7)
1-11½	4	1.75" (44.5)	2.30" (58.4)	.88" (22.4)	1.10" (27.9)	1.88" (47.8)	1.63" (41.4)
1¼-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)
1½-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)





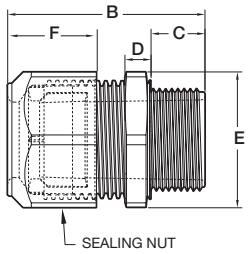
Underground Feeder Connectors

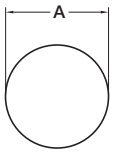
		Aluminum Inches (mm)				Zinc-Plated Steel Inches (mm)							Nylon Inches (mm)							
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.10" (27.9)	1.00" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.55" (14.0)	.58" (14.7)	1.25" (31.7)	1.13" (28.7)
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—
¾-14	3	1.13" (28.7)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.56" (14.2)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.56" (14.2)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)

*Note: *A/C - Across Corners; A/F - Across Flats.*

Low Profile Non-Metallic NPT, PG and Metric Thread Connectors

	Nylon Inches (mm)					
Hub Size	A	B	C	D	E	F
⅜ NPT	0.670" (17.0)	1.41" (35.8)	0.48" (12.4)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
½ NPT	0.875" (22.2)	1.70" (43.2)	0.61" (15.5)	0.21" (5.3)	0.88" (24.8)	0.66" (16.8)
¾ NPT	1.068" (27.1)	2.00" (50.8)	0.62" (15.7)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
1 NPT	1.375" (35.0)	2.41" (61.2)	0.76" (19.3)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG7	0.492" (12.5)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.48" (12.4)
PG9	0.599" (15.2)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
PG11	0.733" (18.6)	1.48" (37.6)	0.38" (9.7)	0.21" (5.3)	0.94" (23.9)	0.70" (17.8)
PG13.5	0.804" (20.4)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
PG16	0.888" (22.5)	1.68" (42.7)	0.44" (11.2)	0.25" (6.4)	1.06" (27.0)	0.76" (19.3)
PG21	1.15" (28.3)	1.89" (48.0)	0.52" (13.2)	0.25" (6.4)	1.30" (33.0)	.085" (21.6)
PG29	1.47" (37.30)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG36	1.85" (47.0)	2.39" (60.7)	0.47" (11.9)	0.31" (7.9)	2.05" (52.7)	1.19" (30.2)
M12	0.473" (12.0)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.49" (12.4)
M16	0.630" (16.0)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
M20	0.787" (20.0)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
M25	0.985" (25.0)	1.89" (48.0)	0.52" (13.2)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
M32	1.260" (32.0)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
M40	1.575" (40.0)	2.39" (60.7)	0.48" (12.2)	0.30" (7.6)	2.05" (52.1)	1.19" (30.2)





Recommended knockout size

Dimensions shown are approximate and are subject to change without notice.

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.25" (6.2)	.31" (7.8)	.33" (8.4)	.37" (9.3)	.38" (9.7)	.40" (10.2)	.54" (13.7)	.62" (15.6)	.68" (17.1)	.81" (20.6)
Color		Black	Black	White	White	Blue	Blue	Brown	Brown	Yellow	Orchid
NPT	Form	Catalog Number*									
¼	1	**HC1004**	**HC1004**	**HC1005**	**HC1005**	**HC1006**	**HC1006**	—	—	—	—
⅜	1	**HC1010**	**HC1010**	**HC1011**	**HC1011**	**HC1012**	**HC1012**	—	—	—	—
½	1	**HC1016**	**HC1016**	**HC1017**	**HC1017**	**HC1018**	**HC1018**	—	—	—	—
½	2	**HC1022**	**HC1022**	**HC1022**	**HC1022**	**HC1023**	**HC1023**	**HC1024**	**HC1024**	—	—
½	3	—	—	—	—	**HC1025**	**HC1025**	**HC1026**	**HC1026**	**HC1027**	**HC1028**
¾	2	**HC1032**	**HC1032**	**HC1032**	**HC1032**	**HC1033**	**HC1033**	**HC1034**	**HC1034**	—	—
¾	3	—	—	—	—	**HC1035**	**HC1035**	**HC1036**	**HC1036**	**HC1037**	**HC1038**
1	4	—	—	—	—	**HC1039**	**HC1039**	**HC1040**	**HC1040**	**HC1041**	**HC1042**
1	5	—	—	—	—	—	—	—	—	—	**HC1045**
1¼	5	—	—	—	—	—	—	—	—	—	**HC1050**
1½	5	—	—	—	—	—	—	—	—	—	**HC1055**
1½	6	—	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page V-95.*
‡F5 and larger will not be color coded.

3 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.26" (6.5)	.33" (8.3)	.35" (8.9)	.39" (9.8)	.39" (9.9)	.42" (10.7)	.57" (14.4)	.65" (16.4)	.71" (18.0)	.85" (21.5)
Color		Black	White	White	Blue	Blue	Blue	Brown	Yellow	Yellow	Orchid
NPT	Form	Catalog Number*									
¼	1	**HC1004**	**HC1005**	**HC1005**	**HC1006**	**HC1006**	**HC1006**	—	—	—	—
⅜	1	**HC1010**	**HC1011**	**HC1011**	**HC1012**	**HC1012**	**HC1012**	—	—	—	—
½	1	**HC1016**	**HC1017**	**HC1017**	**HC1018**	**HC1018**	**HC1018**	—	—	—	—
½	2	**HC1022**	**HC1022**	**HC1022**	**HC1023**	**HC1023**	**HC1023**	**HC1024**	—	—	—
½	3	—	—	—	**HC1025**	**HC1025**	**HC1025**	**HC1026**	**HC1027**	**HC1027**	**HC1028**
¾	2	**HC1032**	**HC1032**	**HC1032**	**HC1033**	**HC1033**	**HC1033**	**HC1034**	—	—	—
¾	3	—	—	—	**HC1035**	**HC1035**	**HC1035**	**HC1036**	**HC1037**	**HC1037**	**HC1038**
1	4	—	—	—	**HC1039**	**HC1039**	**HC1039**	**HC1040**	**HC1041**	**HC1041**	**HC1042**
1	5	—	—	—	—	—	—	—	—	—	**HC1045**
1¼	5	—	—	—	—	—	—	—	—	—	**HC1050**
1½	5	—	—	—	—	—	—	—	—	—	**HC1055**
1½	6	—	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page V-95.*
‡F5 and larger will not be color coded.

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Diameter Inches (mm)		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)	2.16" (51.9)
Color		Gray‡	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*									
¼	1	—	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—	—
1	4	**HC1043**	**HC1044**	—	—	—	—	—	—	—	—
1	5	**HC1046**	**HC1047**	**HC1048**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1051**	**HC1052**	**HC1053**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1056**	**HC1057**	**HC1058**	**HC1059**	—	—	—	—	—	—
1½	6	—	—	—	**HC1060**	**HC1061**	**HC1062**	**HC1063**	**HC1064**	—	—
2	6	—	—	—	**HC1065**	**HC1066**	**HC1067**	**HC1068**	**HC1069**	—	—
2	7	—	—	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**
2½	7	—	—	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**
3	7	—	—	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page V-95.*
‡F5 and larger will not be color coded.

3 Conductors

CordType		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Diameter Inches (mm)		1.00" (25.4)	1.17" (29.7)	1.24" (31.5)	1.34" (34.0)	1.51" (38.4)	1.65" (41.9)	1.75" (44.5)	1.80" (48.0)	2.07" (52.6)	2.39" (60.7)
Color		Gray‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*									
¼	1	—	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—	—
1	4	**HC1044**	—	—	—	—	—	—	—	—	—
1	5	**HC1047**	**HC1048**	**HC1048**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1052**	**HC1053**	**HC1053**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1057**	**HC1058**	**HC1058**	**HC1059**	—	—	—	—	—	—
1½	6	—	—	—	**HC1060**	**HC1062**	**HC1063**	**HC1064**	—	—	—
2	6	—	—	—	**HC1065**	**HC1067**	**HC1068**	**HC1069**	—	—	—
2	7	—	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**	**HC1075**
2½	7	—	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**	**HC1081**
3	7	—	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**	**HC1091**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page V-95.*
‡F5 and larger will not be color coded.

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Diameter Inches (mm)		.36" (9.0)	.39" (9.8)	.43" (10.8)	.42" (10.7)	.45" (11.4)	.61" (15.5)	.70" (17.8)	.77" (19.4)	.97" (24.6)
Color		White	Blue	Blue	Blue	Blue	Brown	Yellow	Orchid	Gray‡
NPT	Form	Catalog Number*								
¼	1	**HC1005**	**HC1006**	**HC1006**	**HC1006**	—	—	—	—	—
⅜	1	**HC1011**	**HC1012**	**HC1012**	**HC1012**	—	—	—	—	—
½	1	**HC1017**	**HC1018**	**HC1018**	**HC1018**	—	—	—	—	—
½	2	**HC1022**	**HC1023**	**HC1023**	**HC1023**	**HC1023**	**HC1024**	—	—	—
½	3	—	**HC1025**	**HC1025**	**HC1025**	**HC1025**	**HC1026**	**HC1027**	**HC1028**	—
¾	2	—	**HC1033**	**HC1033**	**HC1033**	**HC1033**	**HC1034**	—	—	—
¾	3	—	**HC1035**	**HC1035**	**HC1035**	**HC1035**	**HC1036**	**HC1037**	**HC1038**	—
1	4	—	**HC1039**	**HC1039**	**HC1039**	**HC1039**	**HC1040**	**HC1041**	**HC1042**	**HC1043**
1	5	—	—	—	—	—	—	—	—	**HC1046**
1¼	5	—	—	—	—	—	—	—	—	**HC1051**
1½	5	—	—	—	—	—	—	—	—	**HC1056**
1½	6	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page V-95.*
‡F5 and larger will not be color coded.

5 Conductors

Cord Type		S, SO, ST, STO						
Cord Size		#18	#16	#14	#12	#10	#8	#6
Approx. Dia. Inches (mm)		.50" (12.7)	.54" (13.7)	.70" (17.7)	.76" (19.3)	.83" (21.1)	1.06" (26.9)	1.18" (30.0)
Color		Blue	Brown	Yellow	Orchid‡	Orchid‡	Pink‡	‡
NPT	Form	Catalog Number*						
½	2	**HC1023**	**HC1024**	—	—	—	—	—
½	3	**HC1025**	**HC1026**	**HC1027**	**HC1028**	**HC1028**	—	—
¾	2	**HC1033**	**HC1034**	—	—	—	—	—
¾	3	**HC1035**	**HC1036**	**HC1037**	**HC1038**	**HC1038**	—	—
1	4	**HC1039**	**HC1040**	**HC1041**	**HC1042**	**HC1042**	**HC1044**	—
1	5	—	—	—	**HC1045**	**HC1045**	**HC1047**	**HC1048**
1¼	5	—	—	—	**HC1050**	**HC1050**	**HC1052**	**HC1053**
1½	5	—	—	—	**HC1055**	**HC1055**	**HC1057**	**HC1058**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page V-95.*
‡F5 and larger will not be color coded.

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0
Approx. Diameter Inches (mm)		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)
Color		Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*								
¼	1	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—
1	4	**HC1044**	—	—	—	—	—	—	—	—
1	5	**HC1047**	**HC1049**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1052**	**HC1054**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1057**	**HC1059**	**HC1059**	—	—	—	—	—	—
1½	6	—	**HC1060**	**HC1060**	**HC1061**	**HC1063**	**HC1064**	—	—	—
2	6	—	**HC1064**	**HC1065**	**HC1066**	**HC1068**	**HC1069**	—	—	—
2	7	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**	**HC1074**
2½	7	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**	**HC1080**
3	7	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**	**HC1090**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, below.*
‡F5 and larger will not be color coded.

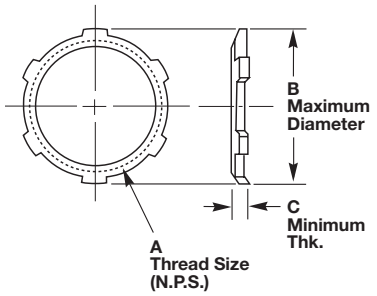
Note:

1. Add the proper prefix to the HC number to identify the type of connector desired:
SHC = Straight Hubbell Connector
NHC = 90° Hubbell Connector
FHC = Female Hubbell Connector
VHC = 45° Hubbell Connector

2. Add the proper suffix to identify material desired:
Aluminum = No suffix
Zinc-Plated Steel = ZP
Corrosion Resistant Nylon = CR
Stainless Steel = SS

3. This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size. The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.

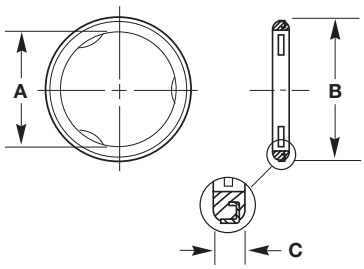
4. Cable jacket may have to be stripped to allow conductors to pass through connector body.



NPT Thread Locknuts

Zinc-Plated Steel

NPT Hub Size	A Inside Diameter Inches	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Steel Catalog Number
½	½"-14	1.14"	(29.0)	.09"	(2.3)	**00322001LPK50**
¾	¾"-14	1.43"	(36.3)	.11"	(2.8)	**00322002LPK50**
1	1"-11½	1.77"	(45.0)	.13"	(3.3)	**00322003LPK50**
1¼	1¼"-11½	2.28"	(57.9)	.13"	(3.3)	**00322004LPK50**
1½	1½"-11½	2.60"	(66.0)	.13"	(3.3)	**00322005LPK50**



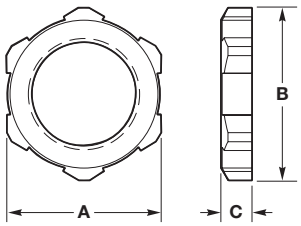
Metal Clad Sealing O-Rings – Sizes ½ - 4

Zinc-Plated Steel with Neoprene Ring

NPT Hub Size	A Inside Diameter Inches	(mm)	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Catalog Number
½	.80"	(20.3)	1.08"	(27.4)	.16"	(3.2)	**20509001**
¾	1.00"	(25.4)	1.34"	(34.0)	.16"	(3.2)	**20509002**
1	1.25"	(31.6)	1.63"	(41.4)	.16"	(3.2)	**20509003**
1¼	1.61"	(40.9)	2.00"	(50.8)	.16"	(3.2)	**20509004**
1½	1.84"	(46.7)	2.36"	(59.9)	.16"	(3.2)	**20509005**
2	2.31"	(58.7)	2.83"	(71.9)	.16"	(3.2)	**20509006**
Chrome Plated Steel with Neoprene Ring							
2½	2.91"	(73.9)	3.44"	(87.4)	.24"	(6.1)	**20509007**
3	3.52"	(89.4)	4.08"	(103.6)	.24"	(6.1)	**20509008**

Nylon PG Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
PG7	.75"	(19.1)	.80"	(20.3)	.22"	(5.6)	**LNP7BPK100**
PG9	.86"	(21.8)	.91"	(23.2)	.22"	(5.6)	**LNP9BPK100**
PG11	.94"	(23.9)	1.03"	(26.2)	.22"	(5.6)	**LNP11BPK100**
PG13.5	1.06"	(26.9)	1.14"	(29.0)	.24"	(6.1)	**LNP13BPK100**
PG16	1.18"	(30.0)	1.30"	(33.0)	.25"	(6.1)	**LNP16BPK100**
PG21	1.41"	(35.8)	1.54"	(39.1)	.25"	(6.1)	**LNP21BPK100**
PG29	1.81"	(46.0)	2.00"	(50.8)	.25"	(6.1)	**LNP29BPK25**
PG36	2.24"	(56.9)	2.50"	(63.5)	.25"	(6.1)	**LNP36BPK25**



Nylon Metric Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
M12	.75"	(19.1)	.82"	(20.8)	.22"	(5.6)	**LNM12BPK100**
M16	.87"	(22.09)	.98"	(25.0)	.22"	(5.6)	**LNM16BPK100**
M20	1.06"	(27.0)	1.18"	(30.0)	.25"	(6.4)	**LNM20BPK100**
M25	1.38"	(35.1)	1.54"	(39.1)	.28"	(7.1)	**LNM25BPK100**
M32	1.61"	(40.9)	1.80"	(45.7)	.28"	(7.1)	**LNM32BPK100**
M40	1.97"	(50.0)	2.18"	(55.4)	.28"	(7.1)	**LNM40BPK100**

Dimensions shown are approximate and are subject to change without notice.

Hubbell Juniors®

Material	Operating Temperature Range
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F (-40°C to +107°C)
Neoprene (bushings)	-30°F to +240°F (-34°C to +115°C)

Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94V-2 rating.

Certifications

Product	Agency
Liquidtight and Liquidtight with Spiral	UL Listed. CSA Certified.
Snap-In	UL Recognized. CSA Certified.

Knockout Holes

NPT Hub Size	Knockout Hole Recommended Min. to Max. inches	(mm)
¼	.54"-.57"	(13.7-14.5)
⅜	.67"-.70"	(17.0-17.8)
½	.86"-.91"	(21.8-23.1)

Snap-In

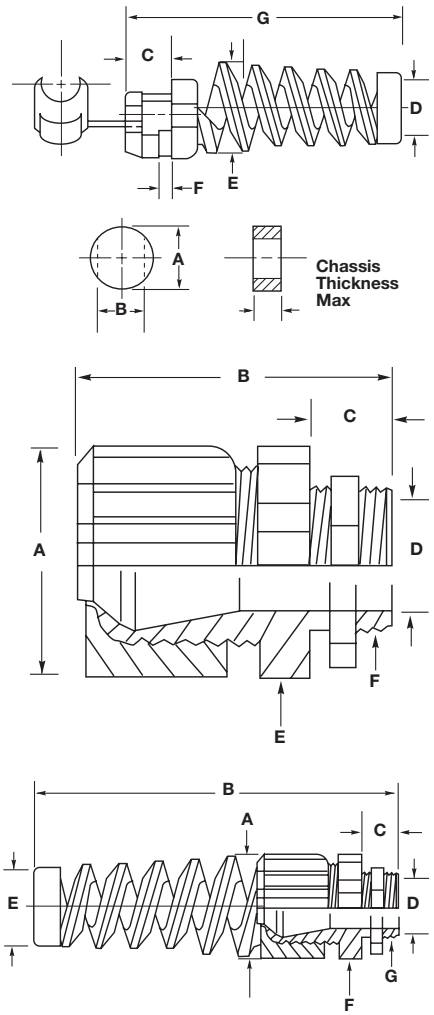
Diameter Range Inches (mm)	For Chassis Thickness (Max.) Inches (mm)	Required Hole Size A Inches (mm)	B Inches (mm)	Dimensional Specifications C Inches (mm)	D Inches (mm)	E Inches (mm)	F Inches (mm)	G Inches (mm)
.22"-.27" (5.6-6.9)	.10" (2.5)	.50" (12.7)	.45" (11.4)	.28" (7.1)	.28" (7.1)	.54" (13.7)	.12" (3.0)	1.84" (44.2)
.28"-.32" (7.1-8.1)	.10" (2.5)	.50" (12.7)	.47" (11.9)	.28" (7.1)	.33" (8.4)	.59" (15.0)	.12" (3.0)	1.84" (44.2)
.30"-.36" (7.6-9.1)	.13" (3.3)	.63" (16.0)	.55" (14.0)	.36" (9.1)	.37" (9.4)	.65" (16.5)	.14" (3.6)	2.18" (55.4)
.32"-.43" (8.1-10.9)	.13" (3.3)	.75" (19.0)	.66" (16.8)	.45" (11.4)	.44" (11.2)	.75" (19.1)	.14" (3.6)	2.60" (66.0)

Liquidtight

F NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Across Corners Inches (mm)	E Across Flats Inches (mm)
¼-18	.65" (16.5)	1.30" (33.0)	.40" (10.2)	.29" (7.4)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	1.44" (36.6)	.41" (10.4)	.36" (9.1)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	1.56" (39.6)	.46" (11.7)	.45" (11.4)	.99" (25.1)	.92" (23.4)

Liquidtight with Spiral

G NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Inches (mm)	F Across Corners Inches (mm)	F Across Flats Inches (mm)
¼-18	.65" (16.5)	2.55" (64.8)	.40" (10.2)	.29" (7.4)	.27" (6.9)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	3.10" (78.7)	.41" (10.4)	.36" (9.1)	.35" (8.9)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	3.72" (94.5)	.46" (11.7)	.45" (11.4)	.45" (11.4)	.99" (25.1)	.92" (23.4)

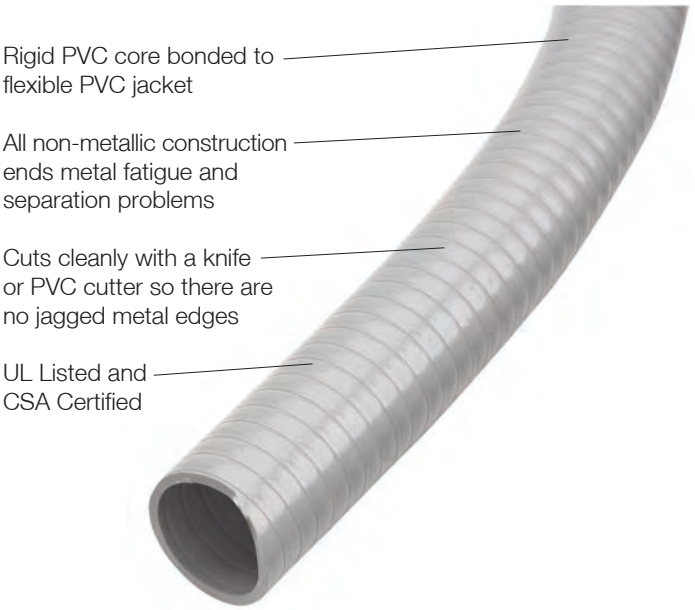


Dimensions shown are approximate and are subject to change without notice.

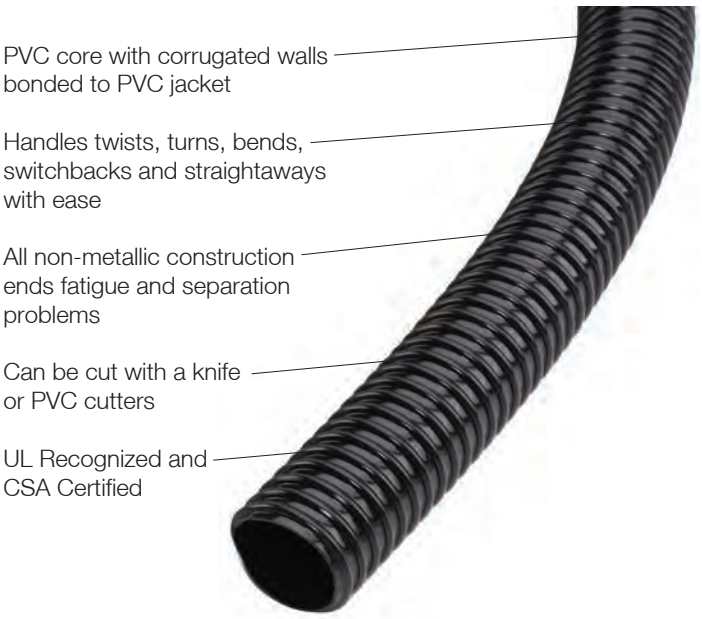
PolyTuff® I and PolyTuff® II Non-Metallic Liquidtight Conduit

Features and Benefits

PolyTuff® I Conduit, Gray



PolyTuff® II Tubing, Black



PolyTuff® I Conduit

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
⅜ (12)	100 (30.5)	**G1038**
½ (16)	100 (30.5)	**G1050**
¾ (21)	100 (30.5)	**G1075**
1 (27)	100 (30.5)	**G1100**
1¼ (35)	100 (30.5)	**G1125**
1½ (41)	50 (15.2)	**G1150**
2 (53)	50 (15.2)	**G1200**

Note: See pages V-66 and V-67, V-100 and V-101 for approved fittings.
See pages V-102 and V-103 for technical information and dimensional drawings.

PolyTuff® II Tubing

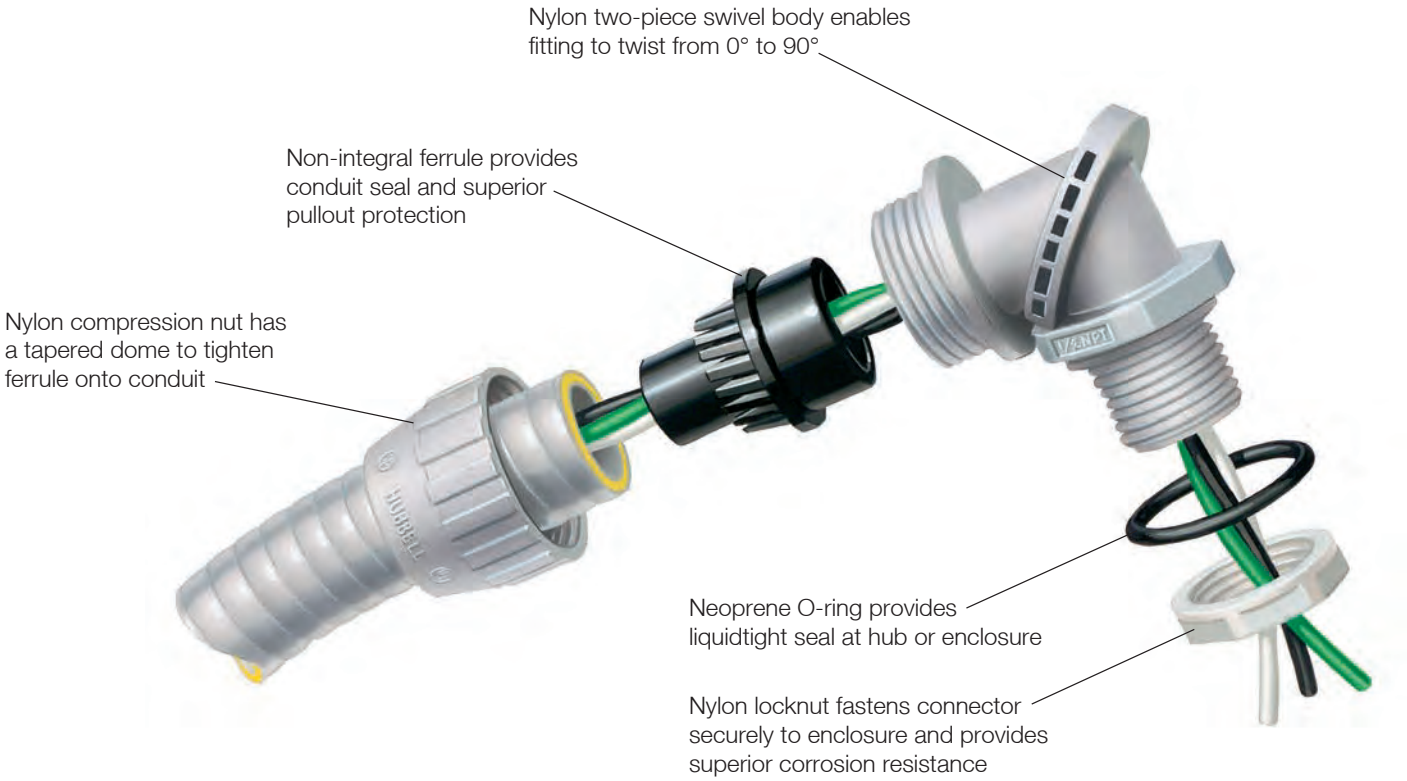
IP66 SUITABILITY

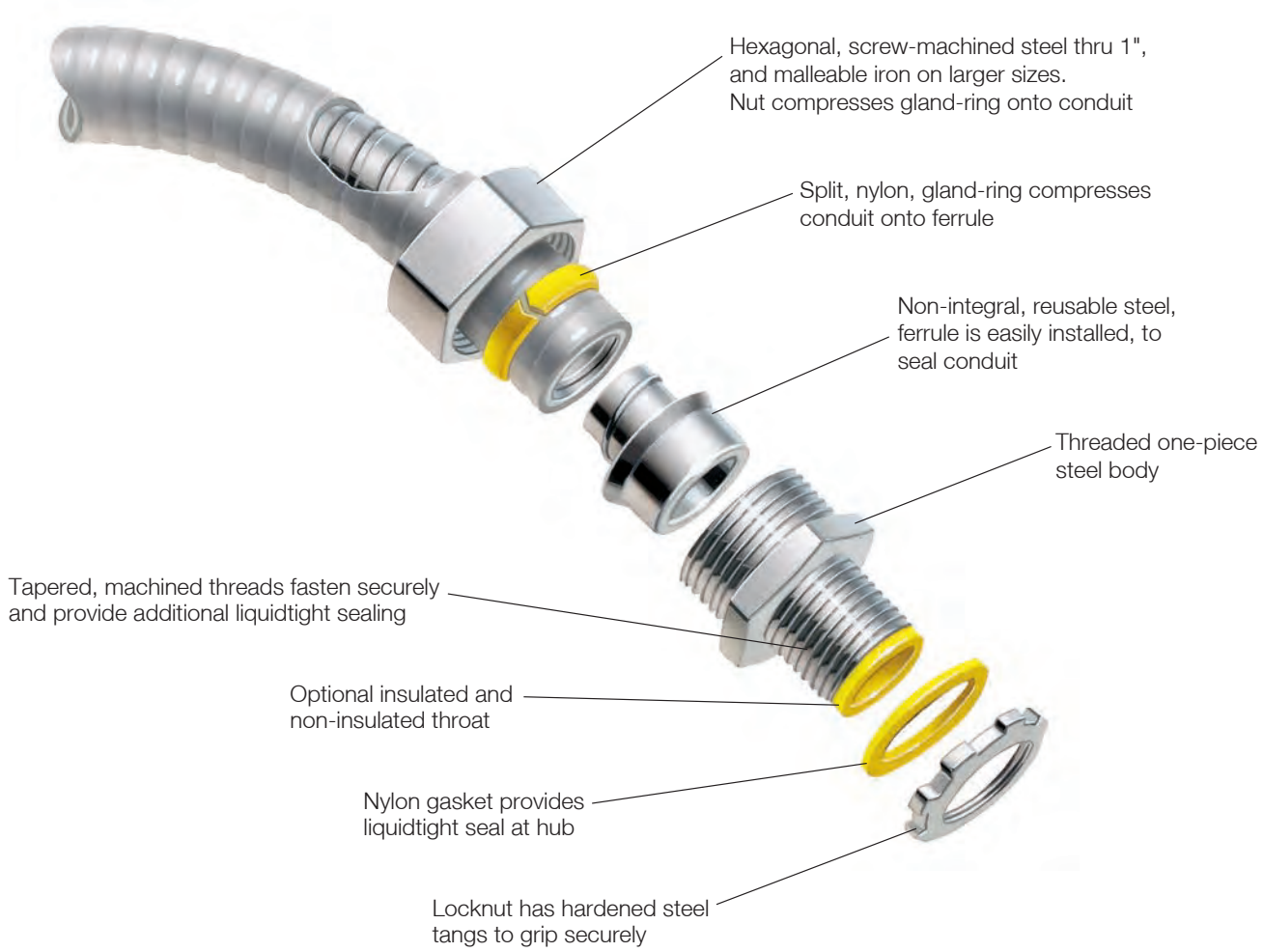
Trade Size (metric designator)	Feet (m)	Catalog Number
¼ (10)	100 (30.5)	**B2025**
⅜ (12)	100 (30.5)	**B2038**
½ (16)	100 (30.5)	**B2050**
¾ (21)	100 (30.5)	**B2075**
1 (27)	100 (30.5)	**B2100**
1¼ (35)	100 (30.5)	**B2125**
1½ (41)	50 (15.2)	**B2150**
2 (53)	50 (15.2)	**B2200**

Note: See page V-100 for approved fittings.
See pages V-102 and V-103 for technical information and dimensional drawings.

PolyTuff® Non-Metallic and Metallic Liquidtight Conduit Fittings

Features and Benefits





P075NGYA

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
¼ (10)	**F2025**	—
⅜ (12)	**P038NBKA**	**P038NGYA**
½ (16)	**P050NBKA**	**P050NGYA**
¾ (21)	**P075NBKA**	**P075NGYA**
1 (27)	**P100NBKA**	**P100NGYA**
1¼ (35)	**P125NBK**	**P125NGY**
1½ (41)	**P150NBK**	**P150NGY**
2 (53)	**P200NBK**	**P200NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages V-104 and V-105 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.

P125NGY

PS0509NGY
SwivelLok® Multi-Position

SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
⅜ (12)	**PS0389NBK**	**PS0389NGY**
½ (16)	**PS0509NBK**	**PS0509NGY**
¾ (21)	**PS0759NBK**	**PS0759NGY**
1 (27)	**PS1009NBK**	**PS1009NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages V-104 and V-105 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.

P1259NGY

Fixed 90°Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
⅜ (12)	**P0389NBK**	**P0389NGY**
½ (16)	**P0509NBK**	**P0509NGY**
¾ (21)	**P0759NBK**	**P0759NGY**
1 (27)	**P1009NBK**	**P1009NGY**
1¼ (35)	**P1259NBK**	**P1259NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages V-104 and V-105 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.

PS05GYKIT

SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit	Catalog Number
½ (16)	2 PS0509NGY, 6' G1050	**PS05GYKIT**
¾ (21)	2 PS0759NGY, 6' G1075	**PS07GYKIT**

Note: See pages V-104 and V-105 for technical information and dimensional drawings.

Straight Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	**H0381**	**H038**
½ (16)	**H0501**	**H050**
¾ (21)	**H0751**	**H075**
1 (27)	**H1001**	**H100**
1¼ (35)	**H1251**	**H125**
1½ (41)	**H1501**	**H150**
2 (53)	**H2001**	**H200**
2½ (63)	**H2501**	**H250**
3 (78)	**H3001**	**H300**
3½ (91)	**H3501**	**H350**
4 (103)	**H4001**	**H400**

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page V-106 for technical information.

H050
Straight with Male
Hubbell Conduit Fitting

45° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	**H03841**	**H0384**
½ (16)	**H05041**	**H0504**
¾ (21)	**H07541**	**H0754**
1 (27)	**H10041**	**H1004**
1¼ (35)	**H12541**	**H1254**
1½ (41)	**H15041**	**H1504**
2 (53)	**H20041**	**H2004**

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page V-106 for technical information.

H0504
45° Angle with Male
Hubbell Conduit Fitting

90° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	**H03891**	**H0389**
½ (16)	**H05091**	**H0509**
¾ (21)	**H07591**	**H0759**
1 (27)	**H10091**	**H1009**
1¼ (35)	**H12591**	**H1259**
1½ (41)	**H15091**	**H1509**
2 (53)	**H20091**	**H2009**
2½ (63)	**H25091**	**H2509**
3 (78)	**H30091**	**H3009**
4 (103)	**H40091**	**H4009**

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page V-106 for technical information.

H0509
90° Angle with Male
Hubbell Conduit Fitting

PolyTuff® I Conduit

Operating Temperature Range	
Wet environment	0°F to +140°F (-18°C to +60°C).
Oil environment	0°F to +158°F (-18°C to +70°C).
Dry environment	0°F to +176°F (-18°C to +80°C).
Certifications	
UL Listed	UL Standard 1660. Sunlight resistant approved for outdoor use, direct burial.
CSA Certified	Meets requirements of NEC.
Voltage Rating	
Maximum	600V.
Material	
Conduit	Co-extruded rigid and flexible PVC.

PolyTuff® II Tubing

Operating Temperature Range	
Operating environment	0°F to +140°F (-18°C to +60°C).
Certifications	
UL Recognized	
CSA Certified	
Voltage Rating	
Maximum	Same as wire insulation rating.
Material	
Tubing	Co-extruded rigid and flexible PVC.

PolyTuff® I Conduit

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	3.00"	(76.2)
¾ (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)
1½ (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)

PolyTuff® II Tubing

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
¼ (10)	.36"/.57"	(9.3/14.5)	1.50"	(38.1)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	2.00"	(50.8)
¾ (21)	.83"/1.04"	(21.1/26.4)	3.00"	(76.2)
1 (27)	1.05"/1.30"	(26.0/33.1)	3.00"	(76.2)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	5.00"	(127.0)
1½ (41)	1.59"/1.88"	(40.3/47.8)	5.00"	(127.0)
2 (53)	2.03"/2.36"	(51.6/59.9)	5.00"	(127.0)

PolyTuff® I and II Conduit/Tubing; PVC Chemical Resistance

Chemical	Conc.*	Temp. 70°F 21°C	150°F 66°C
Acetate Solvents		D	D
Acetic Acid		B	C
Acetic Acid (Glacial)		C	D
Acetone		D	D
Acrylontrile		A	B
Alcohols (Aliphatic)		C	C
Aluminum Chloride		A	A
Aluminum Sulfate (Alums)		A	A
Ammonia (Anhydrous Liquids)		D	D
Ammonia (Aqueous)		A	A
Ammoniated Latex		A	C
Ammonium Chloride		A	A
Ammonium Hydroxide		A	A
Amyl Acetate		D	D
Aniline Oils		D	D
Aromatic Hydrocarbons		D	D
Asphalt		D	D
ASTM Fuel A		C	C
ASTM Fuel B		D	D
ASTM #1 Oil		B	C
ASTM #3 Oil		C	D
Barium Chloride		A	A
Barium Sulfide		A	A
Barium Hydroxide		A	A
Benzene (Benzol)		D	D
Benzine (Petroleum Ether)		C	C
Black Liquor		A	A
Bordeaux Mixture		A	A
Boric Acid		A	A
Butyl Acetate		D	D
Butyl Alcohol		B	C
Calcium Hydroxide		A	A
Calcium Hypochlorite		A	A
Carbolic Acid (Phenol)		B	C
Carbon Dioxide		A	A
Carbon Disulfide		D	D
Carbon Tetrachloride		D	D
Carbonic Acid		A	A
Casein		A	C
Caustic Soda		A	B
Chlorine Gas (wet)		D	D
Chlorine Gas (dry)		D	D
Chlorine (water solution)		C	D
Chlorobenzene		D	D
Chlorinated Hydrocarbons		D	D
Chromic Acid		B	C
Citric Acid		A	A
Coal Tar		D	D
Coconut Oil		C	D
Corn Oil		A	B
Cottonseed Oil		C	D
Creosote		D	D
Cresol		C	D
Crysylic Acid		D	D
Cyclohexane		B	C
DDT Weed Killer		A	C
Dibutyl Phthalate		D	D
Diesel Oils		C	D
Diethylene Glycol		B	C
Diethyl Ether		A	C
Di-isodecyl Phthalate		D	D
Dioctyl Phthalate		D	D
Dow General Weed Killer (Phenol)		D	D
Dow General Weed Killer (H2O)		B	C
Ethyl Alcohol		C	C
Ethylene Dichloride		D	D
Ethylene Glycol		B	C
Ferric Chloride		A	A
Ferric Sulfate		A	A
Ferrous Chloride		A	A
Ferrous Sulfate		A	A
Formaldehyde		D	D
Fuel Oil		B	C
Furfural		C	C
Gallic Acid		A	A
Gasoline (Hi Test)		C	D
Glycerine		A	A
Grease		A	C
Green Sulfate Liquor		A	A
Heptachlor in Petroleum Solvents		A	C
Heptane		C	D
Hexane		C	D
Hydrobromic Acid		A	A
Hydrochloric Acid	10%	A	A
Hydrochloric Acid	40%	C	C
Hydrofluoric Acid	70%	D	D
Hydrofluorosilicic Acid		A	A
Hydrofluorosilicic Acid	10%	A	A
Hydrogen Peroxide		A	B
Iso-Octane		C	C
Isopropyl Acetate		D	D
Isopropyl Acid		B	C
Jet Fuels (JP-3, and 5)		C	D
Kerosene		C	C
Ketones		D	D
Linseed Oil		A	A
Lubricating Oils		A	A
Magnesium Chloride		A	A
Magnesium Hydroxide		A	A
Magnesium Sulfate		A	A
Malathion 50 in Aromatics		D	D
Malic Acid		A	A
Methyl Acetate		D	D
Methyl Alcohol		C	C
Methyl Bromide		D	D
Methyl Ethyl Ketone		D	D
Methylene Chloride		D	D
Mineral Oil			
Monochlorobenezene		A	A
Muriatic Acid (see Hydrochloric Acid)			
Naphtha		C	D
Naphthalene		D	D
Nitric Acid	10%	A	B
Nitric Acid	35%	A	C
Nitric Acid	70%	D	D
Oleic Acid		A	C
Oleum		D	D
Oxalic Acid		A	A
Pentachlorophenol in Oil		B	C
Pentane		C	D
Perchloroethylene		B	C
Petroleum Ether		C	C
Phenol		A	A
Phosphoric Acid	10%	A	A
Pitch	50%	A	B
Potassium Hydroxide		C	D
Sodium Cyanide		A	A
Stoddard Solvent		D	D
Styrene		D	D
Sulfur Dioxide (liquid)		D	D
Sulfuric Acid	50%	A	B
Sulfuric Acid	98%	D	D
Sulfurous Acid		B	C
Tall Oil		D	D
Tannic Acid		A	A
Toluene		D	D
Trichlorethylene		D	D
Triethanol Amine		C	D
Tricresyl Phosphate (Skydrol)		D	D
Turpentine		C	D
Vinegar		A	B
Vinyl Chloride		D	D
Water		A	A
White Liquor		A	A
Xylene		D	D
Zinc Chloride		A	A
Zinc Sulfate		A	A

*Note: *Conc. = Concentration.*
(All ratings apply to concentrated or saturated solutions unless otherwise specified.)
Chemical resistance ratings are based upon information supplied by the raw material manufacturers.
Use as a general guide only – samples should be tested by user under actual conditions.

Rating Code

A-Excellent service
No harmful effect to reduce service life. Suitable for continuous service.

B-Good service life.
Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

C-Fair or limited service.
Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

D-Unsatisfactory service.
Not recommended.

PolyTuff® Fittings

Operating Temperature*	
Nylon (Body, Nut, Gripping Ring and Locknut)	–40°F to +225°F (–40°C to +107°C).
Neoprene (Sealing Ring)	–30°F to +240°F (–34°C to +116°C).
Flammability	
Fire Gas Toxicity Product Testing	Nylon PolyTuff Fittings have a UL 94V-2 rating.
Certifications	
UL Listed	UL50 Type 4X, 12 and 13.
CSA Certified	PolyTuff I Fittings, PolyTuff II Fittings.

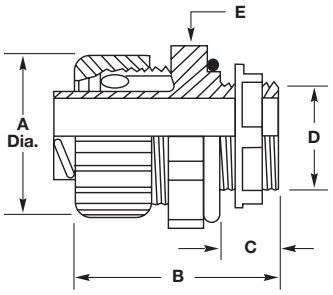
Liquidtight Fittings

Operating Temperature**	
Steel/Malleable Iron (Nut, Body, Ferrule)	–60°F to +1000°F (–51°C to +538°C).
Nylon (Gland Ring)	–40°F to +225°F (–40°C to +107°C).
Hazardous Locations - NEC Reference	
Class I, Div. 2 - 501-10(A)(3)B	
Class II, Div. 1 - 502-10(A)(2)	
Class II, Div. 2 - 502-10(A)(3)	
Class III, Div. 1 - 503-10(A)(2)	
Class III, Div. 2 - 503-10(B)	
Certifications	
UL Listed to UL 514B	
CSA Certified	

*Note: *Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range –30°F to +225°F (–34°C to +107°C).*
***Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of –40°F to +225°F (–40°C to +107°C).*

Straight with Male Non-Metallic Liquidtight Fittings

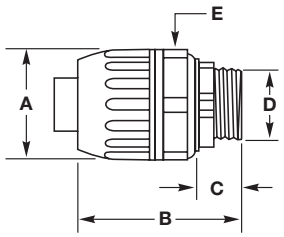
Trade Size (md**)	A	B	C	D Throat Dia.	E Across Corners	E Across Flats
¼ (10)	.93" (23.6)	1.45" (36.8)	.39" (9.9)	.32" (8.1)	.86" (Dia.) (21.8)	
⅜ (12)	1.14" (29.0)	1.63" (41.4)	.57" (14.5)	.42" (10.7)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	2.14" (54.4)	.57" (14.5)	.55" (14.0)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	2.22" (56.4)	.58" (14.7)	.74" (18.8)	1.85" (47.0)	1.53" (38.9)
1 (27)	1.80" (45.7)	2.32" (58.9)	.72" (18.3)	.96" (24.4)	1.94" (49.3)	1.80" (45.7)
1¼ (35)	2.20" (55.9)	2.15" (54.6)	.74" (18.8)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)
1½ (41)	2.49" (63.2)	2.35" (59.7)	.76" (19.3)	1.46" (37.1)	2.63" (66.8)	2.43" (61.7)
2 (53)	3.05" (77.4)	2.51" (63.6)	.79" (20.1)	1.90" (48.3)	3.13" (79.5)	2.93" (74.4)



Sizes: ¼", 1¼", 1½", 2"

90° with Male Non-Metallic Liquidtight Fittings

Trade Size (md**)	A	B	C	D Throat Dia.	E Across Corners	E Across Flats
¼ (10)	.93" (23.6)	1.88" (47.8)	.39" (9.9)	.32" (8.1)	.86"(Dia.) (21.8)	
1¼ (35)	2.21" (56.1)	3.57" (90.7)	.74" (18.9)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)

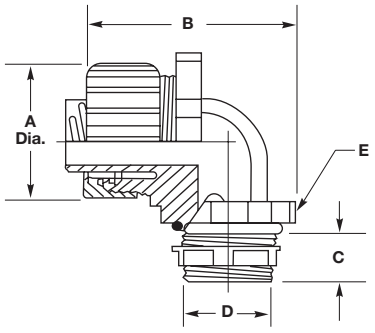


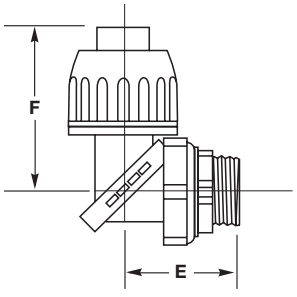
Sizes: ⅜", ½", ¾", 1"

SwivelLok® Multi-Position Liquidtight Fittings

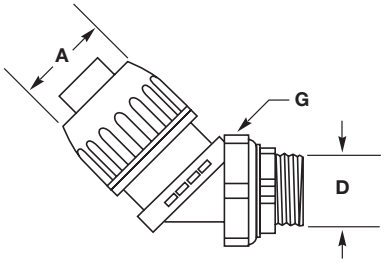
Trade Size (md**)	A	B	C	D	E	F	G Across Corners	G Across Flats
⅜ (12)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	3.66" (93.0)	.58" (15.7)	.74" (18.8)	1.59" (40.4)	2.23" (56.6)	1.65" (41.9)	1.53" (38.9)
1 (27)	1.80" (45.7)	4.00" (101.6)	.72" (18.3)	.96" (24.4)	1.84" (46.7)	2.30" (58.4)	1.94" (49.3)	1.80" (45.7)

*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*

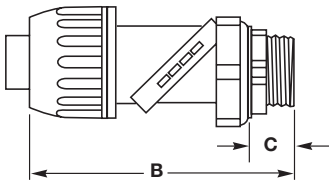




90° Position

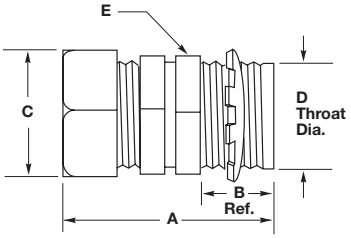


45° Position



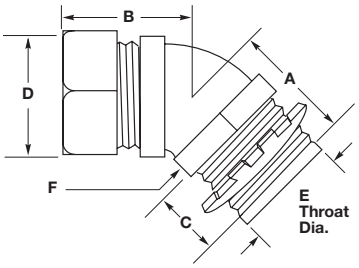
Straight Position

Straight with Male Metallic Metal Fitting



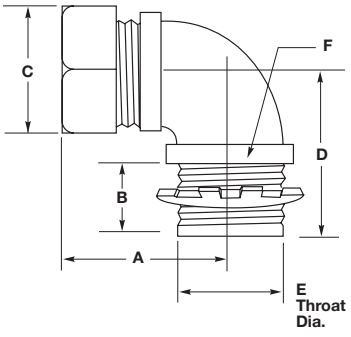
Trade Size (md**)	A Ref.	B	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*
⅜	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"
(12)	(36.3)	(15.0)	(30.0)	(26.9)	(15.5)	(27.2)	(23.6)
½	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"
(16)	(36.3)	(15.0)	(34.0)	(30.2)	(15.5)	(31.0)	(26.9)
¾	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"
(21)	(39.6)	(15.0)	(39.0)	(34.8)	(21.3)	(36.3)	(31.8)
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"
(27)	(42.7)	(16.8)	(50.0)	(42.9)	(26.9)	(43.9)	(39.6)
1¼	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"
(35)	(51.6)	(16.8)	(61.0)	(52.3)	(34.8)	(59.9)	(52.8)
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"
(41)	(56.1)	(16.8)	(69.0)	(60.5)	(38.9)	(70.9)	(63.0)
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"
(53)	(57.9)	(17.5)	(78.0)	(72.9)	(52.3)	(84.3)	(73.7)
2½	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"
(63)	(90.4)	(26.9)	(100.0)	(91.9)	(61.5)	(97.8)	(91.4)
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"
(78)	(96.8)	(26.9)	(119.0)	(109.5)	(76.5)	(118.1)	(110.0)
3½	3.81"	1.06"	5.29"	4.81"	3.49"	5.18"	4.82"
(91)	(96.8)	(26.9)	(134.0)	(122.2)	(88.6)	(131.6)	(122.4)
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"
(103)	(96.8)	(26.9)	(146.0)	(134.9)	(100.6)	(146.1)	(136.9)

45° with Male Metallic Metal Fitting



Trade Size (md**)	A	B	C	D A/C*	D A/F*	E Throat Dia.	F A/C*	F A/F*
⅜	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"
(12)	(30.2)	(32.5)	(15.0)	(30.5)	(26.9)	(15.2)	(29.5)	(25.9)
½	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"
(16)	(30.2)	(32.5)	(15.0)	(34.0)	(30.2)	(15.2)	(30.7)	(26.9)
¾	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"
(21)	(30.2)	(36.3)	(15.0)	(39.4)	(36.8)	(21.3)	(38.1)	(33.5)
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"
(27)	(35.1)	(38.9)	(16.8)	(49.5)	(42.9)	(26.7)	(46.2)	(40.4)
1¼	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"
(35)	(36.1)	(42.9)	(16.0)	(60.7)	(52.3)	(34.8)	(58.9)	(5.16)
1½	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"
(41)	(42.2)	(50.8)	(16.8)	(69.1)	(60.5)	(40.6)	(66.5)	(58.2)
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"
(53)	(42.9)	(57.2)	(16.8)	(78.2)	(73.2)	(52.1)	(81.5)	(71.1)

90° with Male Metallic Metal Fitting



Trade Size (md**)	A	B	C A/C*	C A/F*	D Ref.	E Throat Dia.	F A/C*	F A/F*
⅜	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"
(12)	(33.3)	(15.0)	(30.5)	(26.9)	(36.6)	(15.2)	(29.0)	(25.1)
½	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.12"	1.00"
(16)	(33.3)	(15.0)	(34.0)	(28.4)	(36.6)	(15.5)	(28.0)	(25.4)
¾	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"
(21)	(36.6)	(15.0)	(39.4)	(36.8)	(41.4)	(21.1)	(38.0)	(32.8)
1	1.78"	.59"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"
(27)	(45.2)	(15.0)	(49.5)	(40.6)	(55.6)	(26.7)	(46.0)	(39.9)
1¼	1.97"	.63"	2.39"	2.06"	2.50"	1.36"	2.32"	2.02"
(35)	(50.0)	(16.0)	(60.7)	(52.3)	(63.5)	(34.5)	(59.0)	(51.3)
1½	2.19"	.63"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"
(41)	(55.6)	(16.0)	(69.1)	(60.5)	(68.3)	(40.9)	(66.0)	(57.2)
2"	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"
(53)	(64.3)	(16.8)	(78.2)	(72.9)	(82.6)	(52.1)	(80.0)	(69.9)
2½	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"
(63)	(87.4)	(25.4)	(99.6)	(92.2)	(108.0)	(61.5)	(96.0)	(88.9)
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"
(78)	(95.3)	(25.4)	(119.4)	(109.5)	(123.7)	(76.5)	(118.0)	(109.2)
4	4.25"	1.00"	5.75"	5.31"	5.63"	3.96"	5.76"	5.38"
(103)	(108.0)	(25.4)	(146.1)	(134.9)	(143.0)	(100.6)	(146.0)	(136.7)

*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*

Section W

Network Wiring and netSELECT® Products

Enterprise Grade Commercial Products

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Keystone Jacks and Connectors

HDMI Connectors

Hubbell iSTATION Surface Mount Boxes

Modular Snap Fit Jacks

HXJ6B

HXJ6OR

Hubbell Xcelerator Jacks, Category 6

The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications.

Color	Catalog Number	Bag of 25 Catalog Number
Almond	**HXJ6AL**	**HXJ6AL25**
Black	**HXJ6BK**	**HXJ6BK25**
Blue	**HXJ6B**	**HXJ6B25**
Gray	**HXJ6GY**	**HXJ6GY25**
Green	**HXJ6GN**	**HXJ6GN25**
Ivory	**HXJ6EI**	**HXJ6EI25**
Light Almond	**HXJ6LA**	**HXJ6LA25**
Office White	**HXJ6OW**	**HXJ6OW25**
Orange	**HXJ6OR**	**HXJ6OR25**
Red	**HXJ6R**	**HXJ6R25**
White	**HXJ6W**	**HXJ6W25**
Yellow	**HXJ6Y**	**HXJ6Y25**

HXJ5EBK

Hubbell Xcelerator Jacks, Category 5e

Supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

Color	Catalog Number	Bag of 25 Catalog Number
Almond	**HXJ5EAL**	**HXJ5EAL25**
Black	**HXJ5EBK**	**HXJ5EBK25**
Blue	**HXJ5EB**	**HXJ5EB25**
Gray	**HXJ5EGY**	**HXJ5EGY25**
Green	**HXJ5EGN**	**HXJ5EGN25**
Ivory	**HXJ5EEI**	**HXJ5EEI25**
Light Almond	**HXJ5ELA**	**HXJ5ELA25**
Office White	**HXJ5EOW**	**HXJ5EOW25**
Orange	**HXJ5EOR**	**HXJ5EOR25**
Red	**HXJ5ER**	**HXJ5ER25**
White	**HXJ5EW**	**HXJ5EW25**
Yellow	**HXJ5EY**	**HXJ5EY25**

HXJUEI

Hubbell Xcelerator Jacks, 6-Position USOC

Color	Catalog Number	Bag of 25 Catalog Number
Almond	**HXJUAL**	**–**
Black	**HXJUBK**	**–**
Blue	**HXJUB**	**–**
Gray	**HXJUGY**	**–**
Green	**HXJUGN**	**–**
Ivory	**HXJUEI**	**–**
Light Almond	**HXJULA**	**–**
Office White	**HXJUOW**	**HXJUOW25**
Orange	**HXJUOR**	**–**
Red	**HXJUR**	**–**
White	**HXJUW**	**–**
Yellow	**HXJUY**	**–**

IP100C

Jack Icons*

Bag of 100 icons. Snaps to front of enterprise grade Hubbell Xcelerator jacks.

Color	Blank	Computer	Telephone
Black	**IBK100**	**IBK100C**	**IBK100T**
Blue	**IB100**	**IB100C**	**IB100T**
Brown	**IBN100**	**IBN100C**	**IBN100T**
Gray	**IGY100**	**IGY100C**	**IGY100T**
Green	**IGN100**	**IGN100C**	**IGN100T**
Ivory	**IEI100**	**IEI100C**	**IEI100T**
Orange	**IOR100**	**IOR100C**	**IOR100T**
Purple	**IP100**	**IP100C**	**IP100T**
Red	**IR100**	**IR100C**	**IR100T**
White	**IW100**	**IW100C**	**IW100T**
Yellow	**IY100**	**IY100C**	**IY100T**

*Note: *Not UL Listed, CSA Certified.*

F-Type Connectors

Distributes high quality video signal to the workstation. These connectors install with a snap and provide quick, easy "screw-on" termination. Compatible with TV, CATV and CCTV, home theater and entertainment systems, satellite, security and surveillance systems, VCR/DVD applications.

Color	F-Type Coupler Bulkhead F/F	F-Type Coupler Bulkhead F/F Gold	F-Type to RCA Bulkhead F/F Gold	F-Type Recessed
Almond	**SFFALX**	**SFFGAL**	**–**	**–**
Black	**SFFBX**	**SFFGBK**	**SFRFGBK**	**SFGRFBK**
Gray	**SFFGX**	**SFFGGY**	**SFRFGGY**	**SFGRFGY**
Ivory	**SFFEX**	**SFFGEI**	**SFRFGEI**	**SFGRFEI**
Light Almond	**SFFLAX**	**SFFGLA**	**–**	**–**
Office White	**SFFX**	**SFFGOW**	**SFRFGOW**	**SFGRFOW**
White	**SFFWX**	**SFFGW**	**SFRFGW**	**SFGRFW**

SFFGGY

SFGRFOW

RCA Connectors

Distributes component and composite audio and video signals from device to device. Typical applications include TV, cable, VCR/DVD, camera, camcorder, projector, home theater, and entertainment centers.

Insulator Color	RCA 110 Punch-Down Black Housing	RCA Solder Coupler Termination: Office White Housing	RCA Solder Coupler Termination: Additional Housing Color*	RCA Recessed*
Black	**–**	**SFRC**	**SFRCBKxx**	**SFRCBKRxx**
Blue	**SFRC110B**	**SFRCBOW**	**SFRCBxx**	**SFRCBRxx**
Green	**SFRC110GN**	**SFRCGNOW**	**SFRCGNxx**	**SFRCGNRxx**
Orange	**–**	**SFRCOROW**	**SFRCORxx**	**SFRCORRxx**
Red	**SFRC110R**	**SFRCR**	**SFRCRxx**	**SFRCRRxx**
White	**SFRC110W**	**SFRCW**	**SFRCWxx**	**SFRCWRxx**
Yellow	**SFRC110Y**	**SFRCY**	**SFRCYxx**	**SFRCYRxx**

SFRC110R

SFRCR

Insulator Color	RCA Gold Pass-through, Office White Housing	F/F Coupler Additional Housing Color*
Black	**SFRCBKFF**	**SFRCBKFFxx**
Blue	**SFRCBFFOW**	**SFRCBFFxx**
Green	**SFRCGNFFOW**	**SFRCGNFFxx**
Orange	**SFRCORFFOW**	**SFRCORFFxx**
Red	**SFRCRFF**	**SFRCRFFxx**
White	**SFRCWFF**	**SFRCWFFxx**
Yellow	**SFRCYFF**	**SFRCYFFxx**

SFRCRROW

*Note: *Additional Housing colors: **xx** = **AL** (Almond), **BK** (Black), **EI** (Ivory), **GY** (Gray, **LA** (Light Almond), and **W** (White).*

S-Video Connectors

Transmits video information over a cable by dividing the signal into two separate signals (chrominance) for color and (luminance) for brightness. Applications include cable, satellite, DVD, camera, camcorder, projector, home theater, entertainment systems, security, and surveillance.

Color	S-Video 110 Punch-Down	S-Video F/F Coupler
Black	**SFSV110BK**	**SFSVBK**

SFRCRFF

SFSV110BK

Gender Changers, 9 and 15-Pin Connections

Unit of Measure	15-Pin, 90° F/F Coupler	HD 9-Pin F/F Coupler	HD 15-Pin F/F Coupler
1 per bag	**15901**	**–**	**–**
10 per bag	**159010**	**9GC10**	**15GC10**

Screw Terminal, 9 and 15-Pin Connections

Unit of Measure	HD 9-Pin Screw Term	HD 15-Pin Screw Term	HD 15-Pin, Screw Term, Keystone Front Mount
10 per bag	**9ST10**	**15ST10**	**SF15ST**

SFBOW

SFBGOW

BNC Connectors

Distributes PRO audio video through coaxial 75 ohm signal to the work area. Applications include TV, CCTV, analog and digital CATV, VCR, HDTV satellite, security and surveillance systems.

Color	BNC Connector Nickel Finish	BNC Connector Gold Finish
Black	**SFBBK**	**SFBGBK**
Gray	**SFBGY**	**SFBGGY**
Ivory	**SFBEI**	**SFBGEI**
Light Almond	**SFBLA**	**SFBGLA**
Office White	**SFBOW**	**SFBGOW**
White	**SFBW**	**SFBGW**

SFSPGR

SPPBK10

Gold Speaker Post Connectors and Plugs*

Ring Color	Speaker Post Connector Office White Housing	Speaker Post/ Banana Plugs
Black	**SFSPGBK**	**SPPBK10**
Red	**SFSPGR**	**SPPR10**

SF35FFOW

SF35STOW

3.5mm Stereo Jacks*

Distributes stereo or mono audio signals to and from devices. Applications include laptop and desktop computer audio I/O output, PRO audio distribution, projectors, and IR (infrared) signal transmission.

Housing Color	3.5mm F/F Coupler	3.5mm Stereo Jack	3.5mm Screw Term.
Black	**SF35FFBK**	**SF35SJBK**	**SF35STBK**
Gray	**SF35FFGY**	**SF35SJGY**	**SF35STGY**
Ivory	**SF35FFEI**	**SF35SJEI**	**SF35STEI**
Light Almond	**SF35FFLA**	**SF35SJLA**	**SF35STLA**
Office White	**SF35FFOW**	**SF35SJ**	**SF35STOW**
White	**SF35FFW**	**SF35SJW**	**SF35STW**

SFC5EW

SFC6EBK

Inline Couplers*

Use to deliver a quick and easy interconnect solution at the desktop or in the cross connect.

Color	Wiring: T568A/B	Wiring: T568A/B
Black	**SFC5EBK**	**SFC6EBK**
White	**SFC5EW**	**SFC6EW**

SFUSBAA3BK

SFUSBAB3BK

USB Connectors

Use to provide a simple and easy way to add a USB connection to a work area.

Housing Color	USB 3.0, A to A, Pass-Thru, F/F, Coupler	USB 3.0, A to B, Pass-Thru, F/F, Coupler	USB 2.0, A to A, Pass-Thru, F/F, Coupler	USB 2.0, A to B, Pass-Thru, F/F, Coupler
Black	**SFUSBAA3BK**	**SFUSBAB3BK**	–	–
Blue	–	–	**SFUSBAAB**	**SFUSBABB**
Office White	–	–	**SFUSBAAOW**	**SFUSBABOW**
White	–	–	**SFUSBAAW**	**SFUSBABW**

SFUSBABB

SFUSBAAB

Blank Connectors, 10-Pack

Housing Color	Blanks	Smooth Blanks
Almond	**SFBAL10**	**SFSBAL10**
Black	**SFBB10**	**SFSBBK10**
Gray	**SFBG10**	**SFSBGY10**
Ivory	**SFBE10**	**SFSBEI10**
Light Almond	**SFBLA10**	**SFSBLA10**
Office White	**SFB10**	**SFSBOW10**
White	**SFBW10**	**SFSBW10**

*Note: *Not UL Listed.*

SFB10

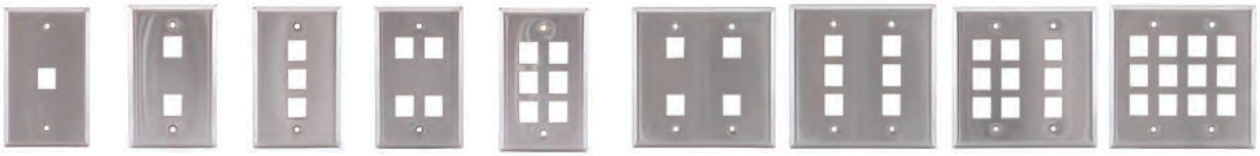
SFSBEI10

IFP Face Plates, with Label Fields, 1- and 2-Gang

	1-Gang					2-Gang		
Color	1-Port	2-Port	3-Port	4-Port	6-Port	6-Port	9-Port	12-Port
Almond	**IFP11AL**	**IFP12AL**	**IFP13AL**	**IFP14AL**	**IFP16AL**	**IFP26AL**	–	–
Black	**IFP11BK**	**IFP12BK**	**IFP13BK**	**IFP14BK**	**IFP16BK**	**IFP26BK**	**IFP29BK**	**IFP212BK**
Gray	**IFP11GY**	**IFP12GY**	**IFP13GY**	**IFP14GY**	**IFP16GY**	**IFP26GY**	**IFP29GY**	**IFP212GY**
Ivory	**IFP11EI**	**IFP12EI**	**IFP13EI**	**IFP14EI**	**IFP16EI**	**IFP26EI**	**IFP29EI**	**IFP212EI**
Light Almond*	**IFP11LA**	**IFP12LA**	**IFP13LA**	**IFP14LA**	**IFP16LA**	**IFP26LA**	**IFP29LA**	**IFP212LA**
Office White	**IFP11OW**	**IFP12OW**	**IFP13OW**	**IFP14OW**	**IFP16OW**	**IFP26OW**	**IFP29OW**	**IFP212OW**
White	**IFP11W**	**IFP12W**	**IFP13W**	**IFP14W**	**IFP16W**	**IFP26W**	**IFP29W**	**IFP212W**

*Note: *Light Almond plates match Office White non-metallic raceway, boxes, jacks and connectors.*

Stainless Steel Face Plates without Label Fields, 1- and 2-Gang



	1-Gang					2-Gang			
	1-Port	2-Port	3-Port	4-Port	6-Port	4-Port	6-Port	9-Port	12-Port
Catalog No.	**SSF11**	**SSF12**	**SSF13**	**SSF14**	**SSF16**	**SSF204**	**SSF206**	**SSF209**	**SSF212**

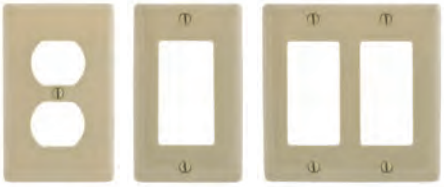
Stainless Steel Face Plates with Label Fields

1-Gang	Catalog Number
1-Port	**SSFL11**
2-Port	**SSFL12**
3-Port	**SSFL13**
4-Port	**SSFL14**
6-Port	**SSFL16**

Duplex and Decorator Plates with Label Fields

Color	Duplex Plate	Decorator Plate
Almond	**IFP18AL**	**IFP126AL**
Office White	**IFP18OW**	**IFP126OW**

Standard Duplex and Decorator Plates with No Label Fields, 1- and 2-Gang



Color	1-Gang Duplex Plate	1-Gang Decorator Plate	2-Gang Decorator Plate
Almond	**NP8AL**	**NP26AL**	**NP262AL**
Black	**NP8BK**	**NP26BK**	**NP262BK**
Ivory	**NP8I**	**NP26I**	**NP262I**
Gray	**NP8GY**	**NP26GY**	**NP262GY**
Light Almond*	**NP8LA**	**NP26LA**	**NP262LA**
White	**NP8W**	**NP26W**	**NP262W**

*Note: *Light Almond plates match Office White non-metallic raceway, boxes, jacks and connectors.*

630 Wall Phone Plates, 1-Gang

Stainless Steel, 1-Gang wall phone plate.

P630S1GJ6 **P630SR1GJ6**

Jack Format	Includes Gray Jack	Catalog Number
Flush	6-position USOC, RJ25	**P630S1GJ6**
Flush	8-position Cat. 5e, RJ45	**P630S1GJ8**
Recessed	6-position USOC, RJ25	**P630SR1GJ6**
Recessed	8-position Cat. 5e, RJ45	**P630SR1GJ8**

Keystone Opening
Hole size for mounting all Hubbell Jacks.

A: .580" (14.73)
B: .760" (19.30)

HDMI** Decorator Frames

Color	1-Port	2-Port
Black	**NS801BK**	**NS802BK**
Gray	**NS801GY**	**NS802GY**
Ivory	**NS801I**	**NS802I**
Light Almond	**NS801LA**	**NS802LA**
White	**NS801W**	**NS802W**

*Note: **HDMI (High Definition Media Interface).*

Blank Duplex Outlet Frames, 1-Gang

Color	Keystone 2-Port	Keystone 4-Port
Almond	**BR106AL**	**Q106AL**
Black	**BR106B**	**Q106B**
Gray	**BR106G**	**Q106G**
Ivory	**BR106E**	**Q106E**
Light Almond*	**BR106LA**	**Q106LA**
Office White	**BR106C**	**Q106O**
White	**BR106W**	**Q106W**

*Note: *Light Almond frames match Office White non-metallic raceway, boxes, jacks and connectors.*

Blank Decorator Outlet Frames, 1-Gang

Color	Keystone 2-Port	Keystone 3-Port	Keystone 4-Port	Keystone 6-Port	HD15/9 or HDMI	(2) HD15/9 or HDMI	(1) Recessed HD15/9 or HDMI	.406 in. (10.3) hole	Blank
Almond	**ISF2AL**	**ISF3AL**	**ISF4AL**	**ISF6AL**	**ISFB15AL**	—	—	**NS621AL**	**NS620AL**
Black	**ISF2BK**	**ISF3BK**	**ISF4BK**	**ISF6BK**	**ISFB15BK**	**ISFB215BK**	**ISFBR15BK**	—	—
Gray	**ISF2GY**	**ISF3GY**	**ISF4GY**	**ISF6GY**	**ISFB15GY**	**ISFB215GY**	**ISFBR15GY**	—	—
Ivory	**ISF2EI**	**ISF3EI**	**ISF4EI**	**ISF6EI**	**ISFB15EI**	**ISFB215EI**	**ISFBR15EI**	**NS621I**	**NS620I**
Light Almond*	—	—	—	—	**ISFB15LA**	—	—	**NS621LA**	**NS620LA**
Office White	**ISF2OW**	**ISF3OW**	**ISF4OW**	**ISF6OW**	**ISFB15OW**	**ISFB215OW**	**ISFBR15OW**	—	—
White	**ISF2W**	**ISF3W**	**ISF4W**	**ISF6W**	**ISFB15W**	**ISFB215W**	**ISFBR15W**	**NS621W**	**NS620W**

*Note: *Light Almond frames match Office White non-metallic raceway, boxes, jacks and connectors.*

Secure-IT Plates

Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.

TPF1W

Tamper-Resistant Plates

Color	1-Gang/4-Port Catalog Number
Black	**TPF1BK**
Gray	**TPF1GY**
Office White	**TPF1OW**
White	**TPF1W**

TWPF1GY

NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port Catalog Number
Gray	**TWPF1GY**

HDMI Connectors

HDMI Feed Thru Coupler

Description	Catalog Number
Single	**HDMIC14**

Keystone HDMI Feed Thru

Description	Color	Catalog Number
Single	Black	**SFHC14BK**
Single	White	**SFHC14W**

HDMI Feed Thru 3-Inch Tail

Description	Catalog Number
Single	**HDMIT14**

DVI Adapters/Couplers

DVI-I Coupler

Description	Catalog Number
Single	**DVI1**

DVI to VGA Adapter

Description	Catalog Number
Single	**DVI151**

DVI to HDMI Adapter

Description	Catalog Number
Single	**DVIHDMI1**

DVI to HDMI Adapter

Description	Catalog Number
Single	**HDMIC1**

110 Audio Video Modules*

Description	Housing Color	Catalog Number
RCA Component, Video to 110 Termination, 1 Unit, 75 ft. max. HD Cat 5, 5e, 6 UTP	Almond	**IMCR1101AL**
	Black	**IMCR1101BK**
	Ivory	**IMCR1101EI**
	Gray	**IMCR1101GY**
	Office White	**IMCR1101OW**
	White	**IMCR1101W**
S-Video, Stereo RCA Audio to 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6 UTP	Almond	**IMSR1101AL**
	Black	**IMSR1101BK**
	Ivory	**IMSR1101EI**
	Gray	**IMSR1101GY**
	Office White	**IMSR1101OW**
	White	**IMSR1101W**
S-Video, 3.5mm Stereo Jack to 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6	Almond	**IMSV351101AL**
	Black	**IMSV351101BK**
	Ivory	**IMSV351101EI**
	Gray	**IMSV351101GY**
	Office White	**IMSV351101OW**
	White	**IMSV351101W**
RCA Composite, Video, Stereo Audio to 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6	Almond	**IMR1101AL**
	Black	**IMR1101BK**
	Ivory	**IMR1101EI**
	Gray	**IMR1101GY**
	Office White	**IMR1101OW**
	White	**IMR1101W**
Stereo RCA, Audio 110 Termination, 1 Unit, 100 ft. max. Cat 5, 5e, 6	Almond	**IMAR1101AL**
	Black	**IMAR1101BK**
	Ivory	**IMAR1101EI**
	Gray	**IMAR1101GY**
	Office White	**IMAR1101OW**
	White	**IMAR1101W**

*Note: *Not UL Listed.*

IMCR1101W

IMSR1101W

IMSV351101W

IMR1101W

IMAR1101W

IMCRS15OW

IMCRS1OW

IM3RS1OW

IMRSJ1OW

110 Audio Video Modules

Description	Housing Color	Catalog Number
RCA Component Video,* Audio 110 Termination, 1.5 Unit	Almond	**IMCRS15AL**
	Black	**IMCRS15BK**
	Ivory	**IMCRS15EI**
	Gray	**IMCRS15GY**
	Office White	**IMCRS15OW**
	White	**IMCRS15W**
RCA Component* Video, Solder, 1 Unit	Almond	**IMCRS1AL**
	Black	**IMCRS1BK**
	Ivory	**IMCRS1EI**
	Gray	**IMCRS1GY**
	Office White	**IMCRS1OW**
	White	**IMCRS1W**
RCA Composite, Video Audio, Solder, 1 Unit	Almond	**IM3RS1AL**
	Black	**IM3RS1BK**
	Ivory	**IM3RS1EI**
	Gray	**IM3RS1GY**
	Office White	**IM3RS1OW**
	White	**IM3RS1W**
RCA Composite, Video, 3.5mm Stereo Jack, Solder, 1 Unit	Almond	**IMRSJ1AL**
	Black	**IMRSJ1BK**
	Ivory	**IMRSJ1EI**
	Gray	**IMRSJ1GY**
	Office White	**IMRSJ1OW**
	White	**IMRSJ1W**

IMCRF1OW

IM3RF1OW

Gold Feed-Through Audio Video RCA Couplers

Description	Housing Color	Catalog Number
RCA Component* Video, Gold, Pass-Through, F/F Coupler, 1 Unit	Almond	**IMCRF1AL**
	Black	**IMCRF1BK**
	Ivory	**IMCRF1EI**
	Gray	**IMCRF1GY**
	Office White	**IMCRF1OW**
	White	**IMCRF1W**
RCA Composite, Video Audio, Gold, Pass-Through, F/F Coupler, 1 Unit	Almond	**IM3RF1AL**
	Black	**IM3RF1BK**
	Ivory	**IM3RF1EI**
	Gray	**IM3RF1GY**
	Office White	**IM3RF1OW**
	White	**IM3RF1W**

IMSP1OW

SPPBK10 **SPPR10**

Gold Speaker Posts and Banana Plugs

Description	Housing Color	Catalog Number
Speaker Post, Gold, Black and Red, Screw Termination	Almond	**IMSP1AL**
	Black	**IMSP1BK**
	Ivory	**IMSP1EI**
	Gray	**IMSP1GY**
	Office White	**IMSP1OW**
	White	**IMSP1W**
Speaker Banana Plugs*, Gold, Screw Termination, 10-Packs	Black	**SPPBK10**
	Red	**SPPR10**

*Note: *Not UL Listed.*

Modular Face Plate Frames

Color	1-Gang	2-Gang
Almond	**IMF1AL**	**IMF2AL**
Black	**IMF1BK**	**IMF2BK**
Gray	**IMF1GY**	**IMF2GY**
Ivory	**IMF1EI**	**IMF2EI**
Office White	**IMF1OW**	**IMF2OW**
White	**IMF1W**	**IMF2W**

Raceway Bezel Frames*

Color	1-Gang
Almond	**KPIMBZAL**
Gray	**KPIMBZGY**
Office White	**KPIMBZOW**

Unloaded Keystone Modules

Color	1-Port, Flat 1 Unit	2-Port, Flat 1 Unit	1-Port, Angled 1.5 Unit	2-Port, Angled 1.5 Unit	Recessed Angle 1-Port, 1.5 Unit	Recessed Angle 2-Port, 1.5 Unit
Almond	**IM1K1AL**	**IM2K1AL**	**IM1KA15AL**	**IM2KA15AL**	–	–
Black	**IM1K1BK**	**IM2K1BK**	**IM1KA15BK**	**IM2KA15BK**	**IM1IA15BK**	**IM2IA15BK**
Ivory	**IM1K1EI**	**IM2K1EI**	**IM1KA15EI**	**IM2KA15EI**	**IM1IA15EI**	**IM2IA15EI**
Gray	**IM1K1GY**	**IM2K1GY**	**IM1KA15GY**	**IM2KA15GY**	**IM1IA15GY**	**IM2IA15GY**
Office White	**IM1K1OW**	**IM2K1OW**	**IM1KA15OW**	**IM2KA15OW**	**IM1IA15OW**	**IM2IA15OW**
White	**IM1K1W**	**IM2K1W**	**IM1KA15W**	**IM2KA15W**	**IM1IA15W**	**IM2IA15W**

Color	Blank 0.5 Unit	Blank 1 Unit	Blank 1.5 Unit	SC Angled 1-Port, 1.5 Unit	SC Angled 2-Port, 1.5 Unit
Almond	**IMB05AL**	**IMB1AL**	**IMB15AL**	–	–
Black	**IMB05BK**	**IMB1BK**	**IMB15BK**	**IM1SCA15BK**	**IM2SCA2BK**
Ivory	**IMB05EI**	**IMB1EI**	**IMB15EI**	**IM1SCA15EI**	**IM2SCA2EI**
Gray	**IMB05GY**	**IMB1GY**	**IMB15GY**	**IM1SCA15GY**	**IM2SCA2GY**
Office White	**IMB05OW**	**IMB1OW**	**IMB15OW**	**IM1SCA15OW**	**IM2SCA2OW**
White	**IMB05W**	**IMB1W**	**IMB15W**	**IM1SCA15W**	**IM2SCA2W**

HD (High Definition) 15-Pin/9-Pin Modules

	Blank HD15/9 or HDMI Module, 1 Unit		Blank HD15/9 or HDMI Module, 1.5 Unit
10-Pack	**IMBDS1xx**	1-Pack	**IMBDSA15xx**

DVI Modules

	DVI Blank, Unloaded, 1.5 Unit
1-Pack	**IMBDVI15xx**
10-Pack	**IMBDVI1015xx**

*Note: **xx** = Color: **AL** (Almond), **BK** (Black), **EI** (Ivory), **GY** (Gray, **LA** (Light Almond), **OW** (Office White), and **W** (White).*

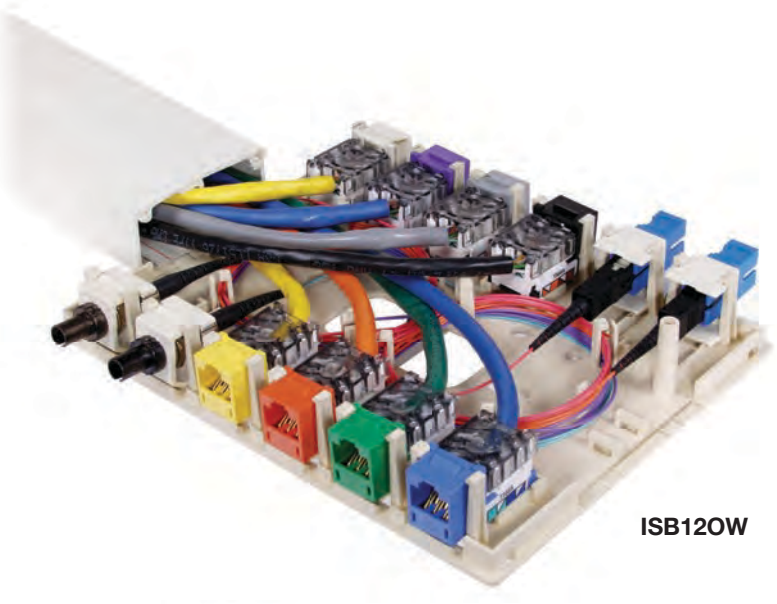
Hubbell iSTATION Audio/Video Modules

XLR, speakON® and ¼ inch modules applications include video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 series blank modules with AV connectors for Hubbell iSTATION applications.

	AV Blank 1.5 Unit	XLR Screw Terminal	XLR Solder-Type	speakON® Conn. Solder-Type	USB Feed-Thru A-to-B	¼" Stereo Jack Solder-Type
10-Pack	**IMAVB15xx***	**XLRST10**	**XLR10**	**SC10**	**USB10**	**14S10**

*Note: **xx** = Color: **AL** (Almond), **BK** (Black), **EI** (Ivory), **GY** (Gray, **LA** (Light Almond), **OW** (Office White), and **W** (White).*
**Not UL Listed.*

speakON® is a registered trademark of Neutrik® AG.



ISB12OW

Specifications

- Low-profile design.
- Accepts XJ jacks, audio video and fiber connectors.
- Provided with double-sided tape and mounting screws for easy installation.
- UL and cUL listed.
- Constructed with a high-impact resistant, flame-retardant polymer.
- ANSI/TIA-606B compliant.

ISB1OW

ISB2OW

ISB Surface Mount Boxes, 1- and 2-Port

Ideal for open office, compact surface mount environments, and retrofits to support data, voice, and multimedia applications. Can be mounted with supplied surface mounting screws or double-sided adhesive tape.

Color	1-Port Catalog Number	2-Port Catalog Number
Ivory	**ISB1EI**	**ISB2EI**
Office White	**ISB1OW**	**ISB2OW**
White	**ISB1W**	**ISB2W**

ISB4OW

ISB Surface Mount Boxes, 4- and 6-Port

Ideal for open office MUTOA cabling, compact surface mount environments, and retrofits to support data, voice, and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA/EIA standard furniture openings, and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Color	4-Port Catalog Number	6-Port Catalog Number
Ivory	**ISB4EI**	**ISB6EI**
Office White	**ISB4OW**	**ISB6OW**
White	**ISB4W**	**ISB6W**

ISB6OW

ISB Surface Mount Boxes, 12-Port

Ideal for open office MUTOA cabling, large capacity surface mount applications and retrofits to support data, voice, and multimedia installations. Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.

Color	12-Port Catalog Number
Ivory	**ISB12EI**
Office White	**ISB12OW**
White	**ISB12W**

ISB12OW

Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Number
Category 6, 12-Port, Universal, 89D	**P612U**
Category 5e, 12-Port, Universal, 89D	**P5E12U**

P612U

P5E12U

Universal Patch Panel, Category 5e

Description	Catalog Number
24-Port, 1.75" H	**P5E24UE**
48-Port, 3.50" H	**P5E48UE**
96-Port, 7.0" H	**P5E96UE**

P5E24UE

Universal Patch Panel, Category 6

Description	Catalog Number
24-Port, 1.75" H	**P6E24U**
48-Port, 3.50" H	**P6E48U**
96-Port, 7.0" H	**P6E96U**

P6E48U

Keystone Jack Panel, Unloaded*

Description	Catalog Number
Wall Mount, 12-Port, Black	**UDX1289**
Rack Mount, 24-Port, 1.75" H, Black	**UDX24E**
Rack Mount, 48-Port, 3.5" H, Black	**UDX48E**

*Note: *Not UL Listed.*

UDX24E

Rear Cable Management Bar*

Description	Catalog Number
Screws to the rear flange of a 19-inch rack	**CMBR**

*Note: *Not UL Listed.*

CMBR

Horizontal UTP Cable and Patch Cords

- Solid copper 4-pair 24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

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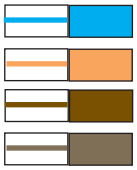
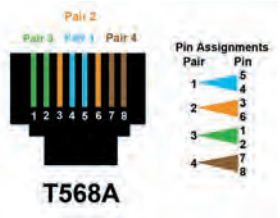
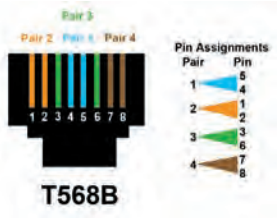


white-blue/blue
white-orange/orange
white-green/green
white-brown/brown

Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.





RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.

- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors

- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

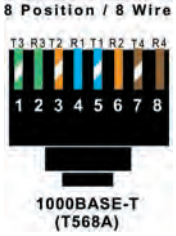
LAN Wiring Conventions

Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.

- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet

- 4/16 Mbps Token Ring over copper

- 100 Mbps FDDI over copper (pending)



- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs

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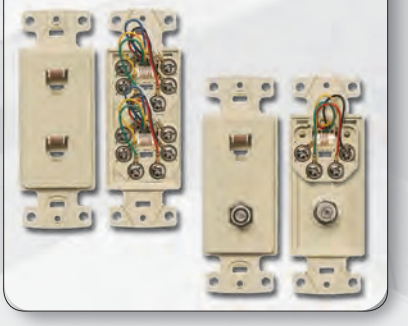
In-Wall AV Delivery and HDMI Products

Universal Blocks, Patch Panels and Cords

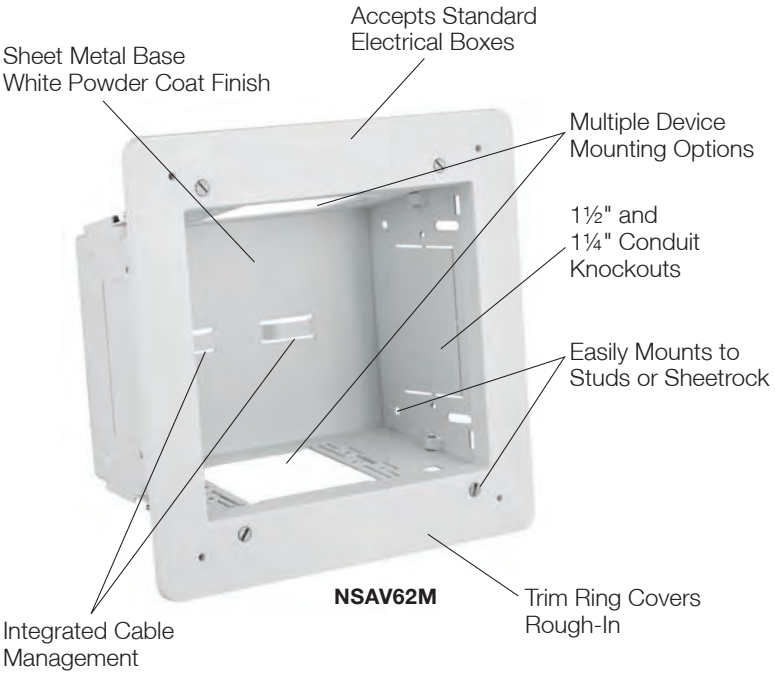
Modular Snap Fit Jacks

Molded-In Voice/Data/Video



Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 1½ and 1¼ inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed



NSAV62M

NSAV6C

NSOKPS

NSP14W

NP26W

NS801W

SFHC14W

NSJ6W

FPTV Connection Enclosure

Description	Color	Catalog Number
2-Gang In-Wall Enclosure	White	**NSAV62M**
Steel Cover with Cable Exit	White	**NSAV6C**
Blank Steel Cover	White	**NSAV6CB**
Block Wall Adaptor	White	**NSAV6BW**
New Work Stud Bracket	White	**NSAV6NW**

Accessories

Power Kits

Description	Color	Catalog Number
Standard Power Kit	White	**NSOKPTR**
Surge Protected Power Kit	Blue	**NSOKPS**

Unloaded Plates and Frames

1-Gang Blank Plate	White	**NP14W**
1-Gang Decorator Plate	White	**NP26W**
1-Gang Hubbell iSTATION Plate	White	**IMF1W**
1-Gang 4-Port Keystone Plate	White	**NSP14W**

AV Connectors and Plates

1-Port HDMI Frame	White	**NS801W**
2-Port HDMI Frame	White	**NS802W**
HDMI Snap Fit	White	**SFHC14W**
F-Connector Snap Fit	White	**NSF70W**
USB A-to-B Snap Fit	White	**SFUSBABW**
Cat 6 Snap Fit Jack	White	**NSJ6W**

Note: See page W-22 for snap fit multimedia jacks and AV connectors.

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation

AVCE1H

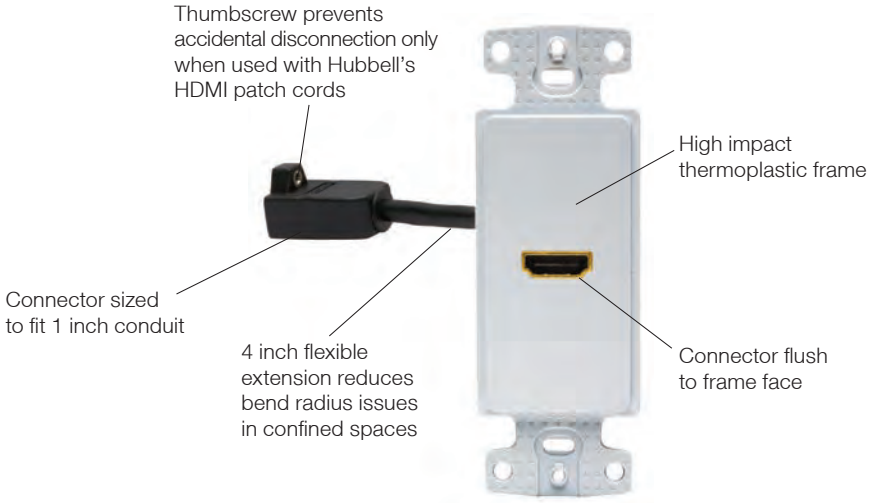
AV Ceiling Enclosure

Description	Enclosure Dimensions	Color	Plenum	Non-Plenum
AV Ceiling Enclosure	24" (610) x 12" (305) x 8" (203)	White	**AVCE1P**	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

netSELECT® HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

- Third party tested for 1080p resolutions
- UL Listed - Communications Circuit Accessory and CSA Certified



NS801W

HDMI Products

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI, Decorator Frame, Female to Female	Black	**NS801BK**	**NS802BK**
	Gray	**NS801GY**	**NS802GY**
	Ivory	**NS801I**	**NS802I**
	Light Almond	**NS801LA**	**NS802LA**
	Office White	**NS801OW**	**NS802OW**
	White	**NS801W**	**NS802W**

NS801W

NS802W

HDMI Patch Cords, 24 AWG

Length	HDMI Device Patch Cords
3 ft.	**HDPC03BK**
6 ft.	**HDPC06BK**

Length	Horizontal Cords (Connector to Connector)
10 to 30 ft.	**HDHyyBK**

Length	Link Cords (Connector to Device)
10 to 30 ft.	**HDLyyBK**

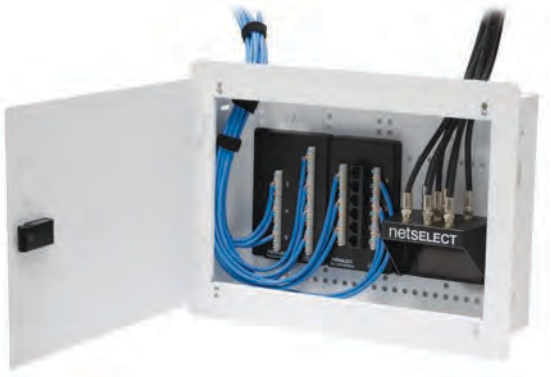
Length	Coupler Cords (Coupler to Device)
10 to 30 ft.	**HDCyyBK**

*Note: **yy** = Length in feet. **10** (10'), **15** (15'), **20** (20'), **25** (25'), **30** (30'). Black and non-plenum only. Black and Non-Plenum only.*

Connect Your Home to Internet, Voice and Video Services

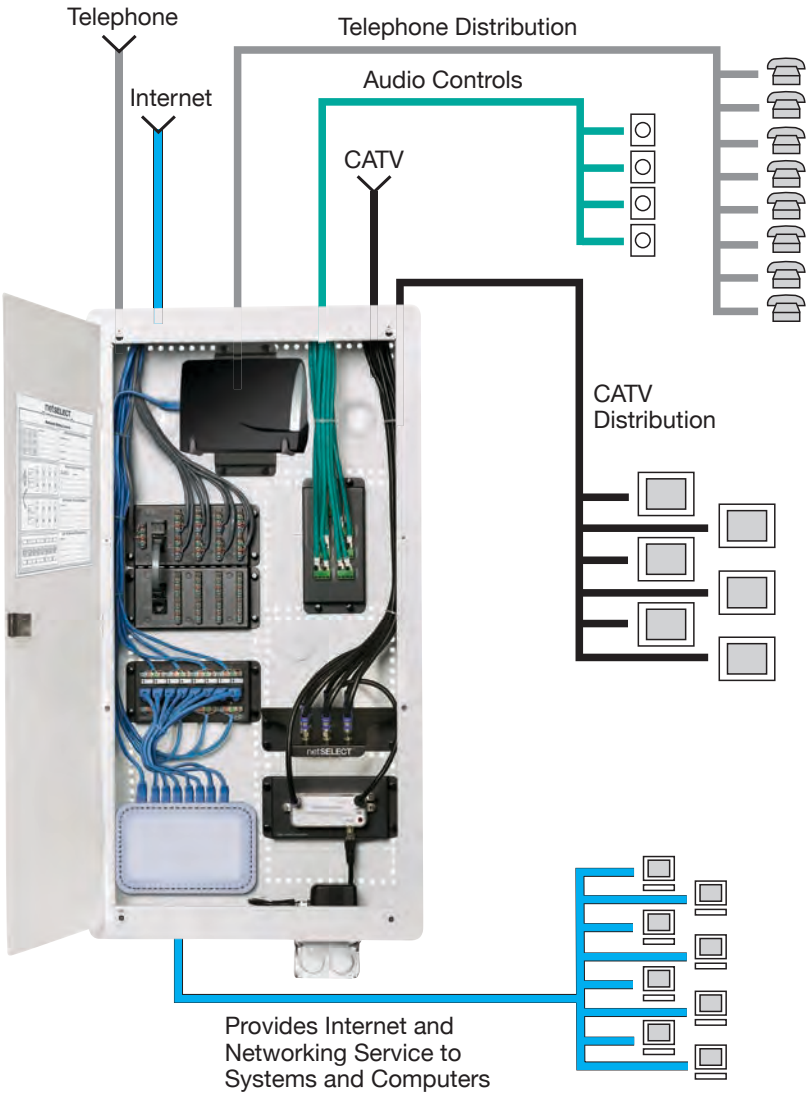
netSELECT® is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT® System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.



- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution
- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems

Today's Communications Entail A Lot More Than Just Talking. netSELECT® Keeps You Connected—Internet, Voice, Data and Entertainment



- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals
- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- UL and cULus Listed 1863

Network Enclosures

Pre-Configured Network System

Description	No. of Module Placement	Catalog Number
Pre-Configured Network System Basic home network kit includes: One box with hinged cover NSOBOX14, One primary 8-port telephone module NSOPTM8, One four way coaxial splitter module NSOVM4	–	**NSOBNK14**

NSOBX10

10 Inch Network Enclosure for MDU and Modular Applications

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	No. of Module Placement	Catalog Number
With Hinged Cover	11.55" (293)	15.65" (398)	4.08" (104)	3	**NSOBX10**
With Panel Cover	11.07" (281)	–	4.08" (104)	3	**NSOBX10BC**
10"H Box only	10.07" (256)	14.38" (365)	3.96" (101)	3	**NSOBX10B**
Hinged Door	11.55" (293	15.65" (398)	0.58" (15)	–	**NSOBX10D**
Panel Cover	11.07" (281)	15.50" (594)	0.20" (5)	–	**NSOBX10C**

NSOBOX14

14 Inch Network Enclosure

With Hinged Cover	15.55" (395)	15.65" (398)	4.08" (104)	5	**NSOBOX14**
With Panel Cover	15.10" (384)	15.54" (395)	4.08" (104)	5	**NSOBOX14BC**
14"H Box only	14.00" (356)	14.38" (365)	3.96" (101)	5	**NSOBOX14B**
Hinged Door	15.55" (395)	15.65" (398)	0.33" (8)	–	**NSOBOX14D**
Vented Door (Louver)	15.55" (395)	15.65" (398)	0.52" (15)	–	**NSOBOX14DL**
Panel Cover	15.11" (384)	15.54" (395)	0.20" (5)	–	**NSOBOX14C**
2"D Extension Bracket with ventilation and WiFi KOs	15.30" (389)	15.57" (395)	2.00" (51)	–	**NSOBOX14X2**

28 Inch Network Enclosure

With Hinged Cover	29.55" (751)	–	–	11	**NSOBOX28**
With Panel Cover	29.13" (740)	15.54" (395)	4.08" (104)	11	**NSOBOX28BC**
28"H Box only	28.00" (711)	14.38" (365)	3.96" (101)	11	**NSOBOX28B**
Hinged Door	29.55" (751	15.65" (398)	0.33" (8)	–	**NSOBOX28D**
Vented Door* (Louver)	29.55" (751	15.65" (398)	0.52" (15)	–	**NSOBOX28DL**
Panel Cover	29.29" (744)	15.54" (395)	0.20" (5)	–	**NSOBOX28C**
2"D Extension Bracket with ventilation and WiFi KOs	29.3" (744)	15.57" (395)	2.00" (51)	–	**NSOBOX28X2**

48 Inch Network Enclosure

With Hinged Cover	48.94" (1243)	14.94" (379)	4.07" (103)	21	**NSOBOX48***

*Note: *Door covers rough-in, no trim ring provided.*

NSOBOX28

netSELECT® Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- UL and cULus Listed 1863
- All data and phone modules 568A wired

Network Modules

Description	Units	Catalog Number
NSOTVDM6 Combo Module Complete Home Network Combo Module 6-Port Telephone Panel and 6-Port Coaxial Splitter with Optional 6-Port Cat. 5e Panel Provides voice, video, and data distribution in a space efficient package. Perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network.		
6-Port Telephone and Video	3	**NSOTVM6**
6-Port Telephone, Video and Category 5e	3	**NSOTVDM6**
6-Port Category 5e Data Upgrade Kit	3	**NSODK6**
NSOPTM8 Primary Telephone Module, 8-Port Supports 8 phone outlets with up to 4 incoming lines for voice, fax or modem applications in a protected PCB module. Pre-mounted push pins snap the module quickly into place. RJ31X interface jack included for security system connection. RJ45 jack interfaces with optional NSOETM8 Telephone Expansion module for additional extensions.	1	**NSOPTM8**
NSOETM8 Expansion Telephone Module, 8-Port Adds an additional 8 phone outlets with up to 4 incoming lines when used with the primary telephone module. Pre-mounted push pins snap the module quickly into place. Includes RJ45 jack jumper cord to connect with NSOPTM8 Primary Telephone module.	1	**NSOETM8**
NSODM8 Category 5e Data Module, 8-Port Supports Gigabit Ethernet for up to 8 Category 5e data lines with front 110 Punch-Down terminations in a protected PCB module. Pre-mounted push pins snap the module quickly into place.	1	**NSODM8**
Category 6 Data Module, 8-Port Supports enhanced transmission speeds beyond gigabit ethernet. Future proof for tomorrows applications.	1	**NSODM8C6**
NSOMTM24 Multiport Patchable Telecom Module Terminates lines via modular plug to accommodate flexibility, by changing plug locations. Reconfigure where phone lines go at the panel level. Allows data lines to be converted to voice, with the move of a patch cord. Includes nine RJ45 jumper cords.	2	**NSOMTM24**
NSO6P1DM Combination Module 6-Port Telephone and 1-Port Data Provides basic telephone and data delivery in a small package. Allows data lines to be converted to voice, with the move of a patch cord.	1	**NSO6P1DM**

netSELECT® Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- UL and cULus Listed 1863

Audio/Video Modules

Description	Units	Catalog Number
4-Way Coaxial Splitter Modules, One Incoming Line, Four Outgoing		
1 Ghz, Basic Unit	1	**NSOVM4**
2.3 Ghz, Enhanced Capability	1	**NSOVM42G**

NSOVM4

6-Way Coaxial Splitter Modules, One Incoming Line, Six Outgoing		
1 Ghz, Basic Unit	1	**NSOVM6**
2.3 Ghz, Enhanced Capability	1	**NSOVM62G**

NSOVM6

8-Way Coaxial Splitter Modules, One Incoming Line, Eight Outgoing		
1 Ghz, Basic Unit	1	**NSOVM8**
2.3 Ghz, Enhanced Capability	1	**NSOVM82G**

NSOVM8

Fixed Video Amplifier Module, 10dB 120 volt rated	1	**NSOVAMP**

Provides video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low. Provides 10dB forward path gain and supports current digital cable systems and modems with a passive return. Pre-mounted push pins snap the module quickly into place. Includes RG-59 cable jumper to connect amplifier to passive video splitter.

NSOVAMP

8 Room Audio Module, Distributes audio from an amplifier to matching volume controllers. Supports up to eight rooms of audio. Power handling - 200W RMS@20° C. Requires impedance matching volume controls, see page W-21.	1	**NSOAM8**

NSOAM8

Blank Module Plate Allows mounting of active components (i.e. switches, routers) or other devices (66 blocks, audio components) onto a modular platform. Can be custom drilled or used with two self-adhesive VELCRO® strips included to mount components onto module. Pre-mounted push pins snap the module quickly into place.	1	**NSOBM**

NSOBM

VELCRO® is a registered trademark of Velcro Industries B.V.

netSELECT® Patch Panels are excellent for designing rack systems for telephone, data and AV systems. Consolidation Blocks are ideal for small user count configurations that mount in or on the wall.

- Meets ANSI/TIA - Category 6 and Category 5e standards
- cULus Listed

Universal Consolidation Blocks and Patch Panels

NS5E12U

NS612U

NS5E24U

NS5E48U

NS624U

NS648U

Description	Catalog Number
Category 5e 12-Port Universal Consolidation Block, 89D Bracket Mount	**NS5E12U**
Category 6 12-Port Universal Consolidation Block, 89D Bracket Mount	**NS612U**
Category 5e Universal Patch Panel 24-port, 1.75 inch H, 1 Rack Unit 48-port, 3.50 inch H, 2 Rack Units	 **NS5E24U** **NS5E48U**
Category 6 Universal Patch Panel 24-port, 1.75 inch H, 1 Rack Unit 48-port, 3.50 inch H, 2 Rack Units	 **NS624U** **NS648U**

netSELECT® Patch Cords allow for quick change of voice/data lines with insertion of modular plugs.

- Meets and exceeds ANSI/TIA - Category 6 and Category 5e standards
- UL and cUL Listed

Universal Patch Cords, Category 6 and Category 5e

Description	Color	1-Foot	3-Foot	5-Foot	7-Foot	10-Foot	15-Foot	20-Foot	25-Foot
Cat. 5e Patch Cord	Blue	**HC5EB01**	**HC5EB03**	**HC5EB05**	**HC5EB07**	**HC5EB10**	**HC5EB15**	**HC5EB20**	**HC5EB25**
	Gray	**HC5EGY01**	**HC5EGY03**	**HC5EGY05**	**HC5EGY07**	**HC5EGY10**	**HC5EGY15**	**HC5EGY20**	**HC5EGY25**
	Yellow	**HC5EY01**	**HC5EY03**	**HC5EY05**	**HC5EY07**	**HC5EY10**	**HC5EY15**	**HC5EY20**	**HC5EY25**
	Red	**HC5ER01**	**HC5ER03**	**HC5ER05**	**HC5ER07**	**HC5ER10**	**HC5ER15**	**HC5ER20**	**HC5ER25**
Cat. 6 Patch Cord	Blue	**HC6B01**	**HC6B03**	**HC6B05**	**HC6B07**	**HC6B10**	**HC6B15**	**HC6B20**	**HC6B25**
	Gray	**HC6GY01**	**HC6GY03**	**HC6GY05**	**HC6GY07**	**HC6GY10**	**HC6GY15**	**HC6GY20**	**HC6GY25**
	Yellow	**HC6Y01**	**HC6Y03**	**HC6Y05**	**HC6Y07**	**HC6Y10**	**HC6Y15**	**HC6Y20**	**HC6Y25**
	Red	**HC6R01**	**HC6R03**	**HC6R05**	**HC6R07**	**HC6R10**	**HC6R15**	**HC6R20**	**HC6R25**

netSELECT® Accessories enhance system capabilities. Volume controls expand home audio applications. Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits

Accessories

Description	Color	Catalog Number
Slide Audio Volume Controller, Decorator Styling, Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white slides and frames.	Ivory/White	**NSOSAVC**
Rotary Audio Volume Controller Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white knobs and frames.	Ivory/White	**NSORAVC**
Standard Power Kit, Includes tamper-resistant duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.		**NSOKPTR**
Surge Suppression Power Kit, Includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.		**NSOKPS**
Chromed Steel Lock Kit, Includes two keys. Eliminates unwanted tampering.		**FLOCK1**
Panel Bracket Adapter, For use with Adapter Panels shown below, and FSP series modules. Snap mounts into structured cabling enclosures.		**NSOFSB**
F-Connector Adapter Panel, with Six Populated Coaxial Connectors.		**FSPFP6X**
Keystone Adapter Panel, with Six Blank Openings for jacks and snap fits.		**FSPHD6X**
WiFi Antenna Kit, Use with X2 extensions to asure maximum WiFi coverage.		**NSOKA**

NSOSAVC

NSORAVC

NSOKPS

FLOCK1

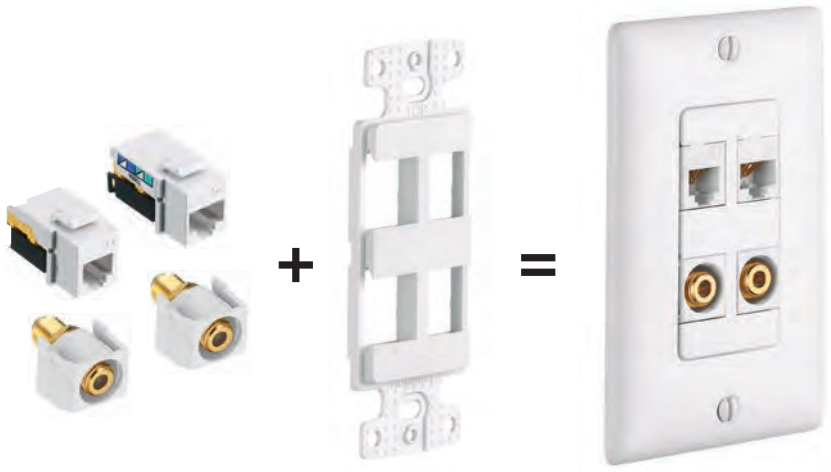
NSOFSB

FSPFP6X

FSPHD6X

NSOKA

Customize the jack selections and look



Molded-In Voice/Low-Speed Data - Modular Snap Fit

Color	Category 6 Jack (single)	Category 6 Jack (25 pack)	Category 5e Jack (single)	Category 5e Jack (25 pack)	USOC Jack (single)
Black	**NSJ6BK**	**NSJ6BK25**	**NSJ5EBK**	**NSJ5EBK25**	**NSJUBK**
Blue	**NSJ6B**	**NSJ6B25**	**NSJ5EB**	**NSJ5EB25**	**NSJUB**
Gray	**NSJ6GY**	**NSJ6GY25**	**NSJ5EGY**	**NSJ5EGY25**	**NSJUGY**
Green	**NSJ6GN**	**NSJ6GN25**	**NSJ5EGN**	**NSJ5EGN25**	**NSJUGN**
Ivory	**NSJ6I**	**NSJ6I25**	**NSJ5EI**	**NSJ5EI25**	**NSJUI**
Light Almond	**NSJ6LA**	**NSJ6LA25**	**NSJ5ELA**	**NSJ5ELA25**	**NSJULA**
Orange	**NSJ6OR**	**NSJ6OR25**	**NSJ5EOR**	**NSJ5EOR25**	**NSJUOR**
Red	**NSJ6R**	**NSJ6R25**	**NSJ5ER**	**NSJ5ER25**	**NSJUR**
White	**NSJ6W**	**NSJ6W25**	**NSJ5EW**	**NSJ5EW25**	**NSJUW**
Yellow	**NSJ6Y**	**NSJ6Y25**	**NSJ5EY**	**NSJ5EY25**	**NSJUY**

Audio/Video Connectors - Standard Bulkhead

Color	Nickel F-Type Coupler Bulkhead, Female to Female	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass Through, Female to Female, Red Interior	RCA Gold Pass Through, Female to Female, White Interior	RCA Gold Pass Through, Female to Female, Yellow Interior	RCA Gold Pass Through, Female to Female, Blue Interior	RCA Gold Pass Through, Female to Female, Green Interior
Black	**NSF70BK**	**SFFGBK**	**SFRCRFFBK**	**SFRCWFFBK**	**SFRCYFFBK**	**SFRCBFFBK**	**SFRCGNFFBK**
Gray	**NSF70GY**	**SFFGGY**	**SFRCRFFGY**	**SFRCWFFGY**	**SFRCYFFGY**	**SFRCBFFGY**	**SFRCGNFFGY**
Ivory	**NSF70I**	**SFFGEI**	**SFRCRFFEI**	**SFRCWFFEI**	**SFRCYFFEI**	**SFRCBFFEI**	**SFRCGNFFEI**
Light Almond	**NSF70LA**	**SFFGLA**	**SFRCRFFLA**	**SFRCWFFLA**	**SFRCYFFLA**	**SFRCBFFLA**	**SFRCGNFFLA**
White	**NSF70W**	**SFFGW**	**SFRCRFFW**	**SFRCWFFW**	**SFRCYFFW**	**SFRCBFFW**	**SFRCGNFFW**

Audio/Video Connectors - Recessed

Color	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass Through, Female to Female, Red Interior	RCA Gold Pass Through, Female to Female, White Interior	RCA Gold Pass Through, Female to Female, Yellow Interior	RCA Gold Pass Through, Female to Female, Blue Interior	RCA Gold Pass Through, Female to Female, Green Interior	Blank Insert
Black	**SFGRFBK**	**SFRCRRBK**	**SFRCWRBK**	**SFRCYRBK**	**SFRCBRBK**	**SFRCGNRBK**	**SFSBBK10***
Gray	**SFGRFGY**	**SFRCRRGY**	**SFRCWRGY**	**SFRCYRGY**	**SFRCBRGY**	**SFRCGNRGY**	**SFSBGY10***
Ivory	**SFGRFEI**	**SFRCRREI**	**SFRCWREI**	**SFRCYREI**	**SFRCBREI**	**SFRCGNREI**	**SFSBEI10***
Light Almond	**SFGRFLA**	**SFRCRRLA**	**SFRCWRLA**	**SFRCYRLA**	**SFRCBRLA**	**SFRCGNRLA**	**SFSBLA10***
White	**SFGRFW**	**SFRCRRW**	**SFRCWRW**	**SFRCYRW**	**SFRCBRW**	**SFRCGNRW**	**SFSBW10***

*Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.*

Features

Decorator frames provide a stylized look for that finishing touch. This allows all devices to match. Multimedia jacks insert into frame for custom configuration.

- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Decorator Frames

Color	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter .406" (10.30) Dia. Hole*	1-Gang, Adapter Blank**
Black	**NS612BK**	**NS613BK**	**NS614BK**	**NS616BK**	**NS621BK**	**NS620BK**
Gray	**NS612GY**	**NS613GY**	**NS614GY**	**NS616GY**	**NS621GY**	**NS620GY**
Ivory	**NS612I**	**NS613I**	**NS614I**	**NS616I**	**NS621I**	**NS620I**
Light Almond	**NS612LA**	**NS613LA**	**NS614LA**	**NS616LA**	**NS621LA**	**NS620LA**
White	**NS612W**	**NS613W**	**NS614W**	**NS616W**	**NS621W**	**NS620W**

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
***To fill an extra decorator opening or to create customized openings.*

Multimedia Face Plates

Description	1-Gang, 1-Port Plate		1-Gang, 2-Port Plate		1-Gang, 3-Port Plate	
Color	Standard (4.63" x 2.88")	Mid-Size (4.88" x 3.13")	Standard (4.63" x 2.88")	Mid-Size (4.88" x 3.13")	Standard (4.63" x 2.88")	Mid-Size (4.88" x 3.13")
Black	**NSP11BK**	**NSP101BK**	**NSP12BK**	**NSP102BK**	**NSP13BK**	**NSP103BK**
Gray	**NSP11GY**	**NSP101GY**	**NSP12GY**	**NSP102GY**	**NSP13GY**	**NSP103GY**
Ivory	**NSP11I**	**NSP101I**	**NSP12I**	**NSP102I**	**NSP13I**	**NSP103I**
Light Almond	**NSP11LA**	**NSP101LA**	**NSP12LA**	**NSP102LA**	**NSP13LA**	**NSP103LA**
White	**NSP11W**	**NSP101W**	**NSP12W**	**NSP102W**	**NSP13W**	**NSP103W**

Description	1-Gang, 4-Port Plate		1-Gang, 6-Port Plate		2-Gang, 4-Port Plate	2-Gang, 6-Port Plate
Color	Standard (4.63" x 2.88")	Mid-Size (4.88" x 3.13")	Standard (4.63" x 2.88")	Mid-Size (4.88" x 3.13")	Standard (4.63" x 4.69")	Standard (4.63" x 4.69")
Black	**NSP14BK**	**NSP104BK**	**NSP16BK**	**NSP106BK**	**NSP24BK**	**NSP26BK**
Gray	**NSP14GY**	**NSP104GY**	**NSP16GY**	**NSP106GY**	**NSP24GY**	**NSP26GY**
Ivory	**NSP14I**	**NSP104I**	**NSP16I**	**NSP106I**	**NSP24I**	**NSP26I**
Light Almond	**NSP14LA**	**NSP104LA**	**NSP16LA**	**NSP106LA**	**NSP24LA**	**NSP26LA**
White	**NSP14W**	**NSP104W**	**NSP16W**	**NSP106W**	**NSP24W**	**NSP26W**

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor
Color	Screw Terminations	Screw Terminations	Screw Terminations	Screw Terminations
Black	**NS770BK**	—	—	**NS784BK**
Brown	**NS770**	**NS771**	—	**NS784**
Gray	**NS770GY**	—	—	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, Duplex F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female
Color	Screw Terminations	Screw Terminations	Screw Terminations	Screw Terminations
Black	—	—	—	**NS785BK**
Brown	—	—	—	**NS785**
Gray	—	—	—	**NS785GY**
Ivory	**NS780I**	**NS782I**	**NS783I**	**NS785I**
Light Almond	**NS780LA**	**NS782LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS782W**	**NS783W**	**NS785W**

Features

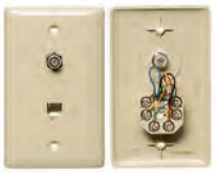
Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic plate
- Convenient screw down terminals
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Plates for Voice

Description	1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations		1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations		1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 6-Conductor, Screw Terminations
Color	Standard	Mid-Size	Standard	Standard	Mid-Size	Standard
Brown	**NS730**	**NS735**	**NS732**	—	—	—
Ivory	**NS730I**	**NS735I**	**NS732I**	**NS742I**	**NS745I**	**NS744I**
Light Almond	**NS730LA**	**NS735LA**	**NS732LA**	**NS742LA**	—	—
White	**NS730W**	**NS735W**	**NS732W**	**NS742W**	**NS745W**	**NS744W**

Molded-In Plates for Voice and CATV/Satellite



Description	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 6-Conductor		1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 4-Conductor	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female		1-Gang Plate, Duplex F-Type Coupler Bulkhead, Female to Female
Color	Standard	Mid-Size	Standard	Standard	Mid-Size	Standard
Ivory	**NS748I**	**NS755I**	**NS747I**	**NS750I**	**NS751I**	**NS752I**
Light Almond	**NS748LA**	**NS755LA**	**NS747LA**	**NS750LA**	**NS751LA**	**NS752LA**
White	**NS748W**	**NS755W**	**NS747W**	**NS750W**	**NS751W**	**NS752W**

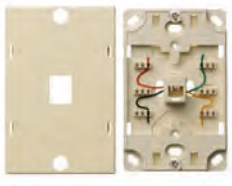
Description	1-Gang Plate, One Cat. 5e 110 Punch-Down One RJ11 Jack, 6-Position, 4-Conductor One F-Type Coupler Bulkhead, Female to Female
Color	Standard
Black	**NS790BK**
Brown	**NS790**
Gray	**NS790GY**
Ivory	**NS790I**
Light Almond	**NS790LA**
White	**NS790W**

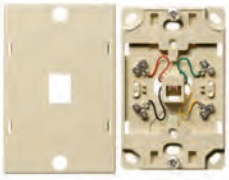
Features

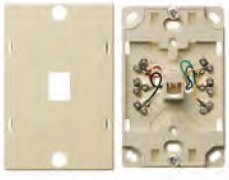
Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

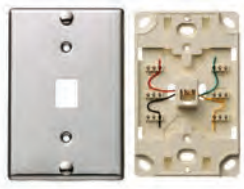
Telephone Wall Jacks







Description	Wall Phone Jack Quick Connect, 6-Position, 4-Conductor, Punch-Down Termination Tool Included	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations	Wall Phone Jack, 6-Position, 6-Conductor, Screw Terminations
Ivory	**NS721I**	**NS722I**	**NS725I**
Light Almond	**—**	**—**	**NS725LA**
White	**NS721W**	**NS722W**	**NS725W**



Description	Wall Phone Jack Quick Connect, 6-Position, 4-Conductor, Punch-Down Termination Tool Included	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations
Stainless Steel	**NS723SS**	**NS726SS**

Features

Telephone surface mount jacks are available in 4- or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Wall Jacks

Description	Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations	Telephone Surface Mount Jack, 6-Position, 6-Conductor, Screw Terminations	Multimedia 1-Port Surface Mount Box, Jack Not Included	Multimedia 2-Port Surface Mount Box, Jacks Not Included
Ivory	**NS760I**	**NS761I**	**ISB1EI***	**ISB2EI***
White	**NS760W**	**NS761W**	**ISB1W***	**ISB2W***

*Note: *cULus Listed 1863 - Communication Circuit Accessory.*
See page W-22 for snap fit multimedia jacks and AV connectors.

tradeSELECT® Products

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Decorator Products

Data Communications and Audio/Video

USB Chargers

Power Delivery

Decorator Quiet Rocker Switches

Advantages

Smart Style, Good Looks

Residential Decorator Switches and Receptacles provide more than solid, dependable function alone. Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

A Perfect Match
Residential decorator devices and wallplates blend in beautifully with all kinds of wall coverings.

Easy-Activate Rockers
Ideal for use in assisted-living environments—or any living environment.

Flush and Contemporary
Sleek, smart and appealing, Residential devices add beautiful, fashionable, highly-styled devices to any home.

Mini-Rocker Switches
Take up less space and provide full function.

Snap-On Wallplates
Snap-on wallplates offer a clean, elegant look that can be installed in seconds.

Color Selection

Decorator Quiet Rocker Switches

Features

- Smooth, quiet rocker
- Self-grounding feature is standard
- Ultrasonically welded cover and base
- Operating temperature: -20°C to 60°C
- UL Listed E3896, CSA Certified

Single Pole Decorator Quiet Rocker Switches

Description	Single Pole	Single Pole, Illuminated	Single Pole, Pilot Light	Single Pole with ON/OFF Marking
Termination	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire
Rating	15A 120-277V AC	15A 120V AC	15A 120V AC	15A 120-277V AC
Black	**RSD115BK**	—	—	—
Brown	**RSD115**	—	—	—
Gray	**RSD115GY**	—	—	—
Ivory	**RSD115I**	**RSD115ILI***	**RSD115PLI****	**RSD115IM**
Light Almond	**RSD115LA**	**RSD115ILLA***	**RSD115PLLA****	**RSD115LAM**
White	**RSD115W**	**RSD115ILW***	**RSD115PLW****	**RSD115WM**

*Note: *Light glows through the top portion of the rocker when switch is in the off position. Does not require a neutral wire.*
***Light glows through the top portion of the rocker when switch is in the on position. Requires a neutral wire.*

RSD115W

RSD115PLW

Double Pole, Three Way and Four Way Decorator Quiet Rocker Switches

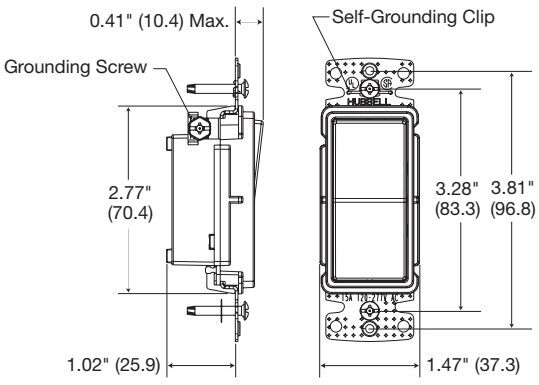
Description	Double Pole	Three Way	Three Way, Illuminated	Four Way
Termination	Self-Grounding, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Back and Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120V AC	15A 120-277V AC
Black	**RSD215BK**	**RSD315BK**	—	—
Brown	**RSD215**	**RSD315**	—	**RSD415**
Gray	**RSD215GY**	**RSD315GY**	—	**RSD415GY**
Ivory	**RSD215I**	**RSD315I**	**RSD315ILI***	**RSD415I**
Light Almond	**RSD215LA**	**RSD315LA**	**RSD315ILLA***	**RSD415LA**
White	**RSD215W**	**RSD315W**	**RSD315ILW***	**RSD415W**

*Note: *Light glows through the top portion of the rocker when switch is in the off position. Does not require a neutral wire.*

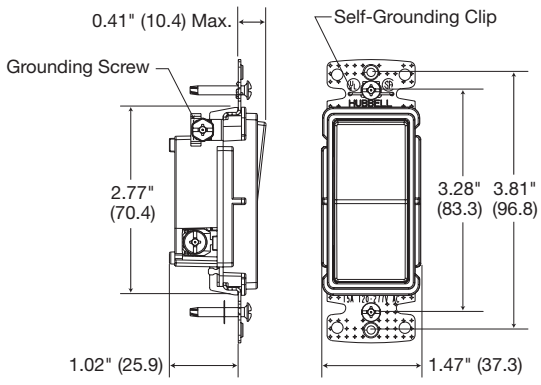
RSD115WM

RSD215W

Dimensions



Single Pole Decorator Switch



Three Way Decorator Switch

Dimensions in Inches (mm)

Features

- Low profile, less than 1 inch deep
- Self-grounding feature is standard
- Operating temperature: -20°C to 60°C
- UL Listed E3896, CSA Certified

RCD111W

RCD101W

RCD108W

RCD109W

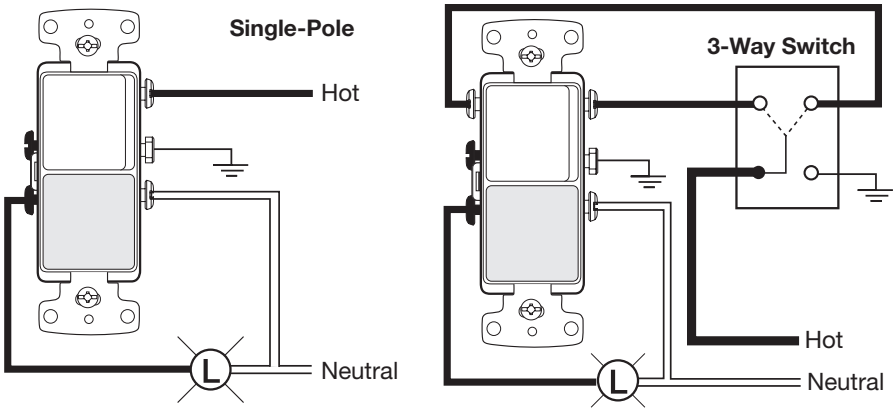
Combination Quiet Rocker Switches/Devices

Description	Three (3) Single Pole Switches	Two (2) Single Pole Switches	Single Pole and Three Way Switch	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle*	Single Pole Switch, 2 Pole, 3 Wire Receptacle
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	—	**RCD101BK**	**RCD103BK**	**RCD108BKTR**	**RCD108BK**
Gray	—	**RCD101GY**	**RCD103GY**	**RCD108GYTR**	**RCD108GY**
Ivory	**RCD111I**	**RCD101I**	**RCD103I**	**RCD108ITR**	**RCD108I**
Light Almond	**RCD111LA**	**RCD101LA**	**RCD103LA**	**RCD108LATR**	**RCD108LA**
White	**RCD111W**	**RCD101W**	**RCD103W**	**RCD108WTR**	**RCD108W**

Description	Two (2) Three Way Switches	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle*	Three Way Switch, 2 Pole, 3 Wire Receptacle	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V	15A 120V
Black	**RCD303BK**	**RCD308BKTR**	**RCD308BK**	—	—
Gray	**RCD303GY**	**RCD308GYTR**	**RCD308GY**	—	—
Ivory	**RCD303I**	**RCD308ITR**	**RCD308I**	**RCD109I**	**RCD309I**
Light Almond	**RCD303LA**	**RCD308LATR**	**RCD308LA**	**RCD109LA**	**RCD309LA**
White	**RCD303W**	**RCD308WTR**	**RCD308W**	**RCD109W**	**RCD309W**

*Note: *See Technical section, page 10 for Tamper-Resistant description.*

Pilot Light Wiring Diagram



Decorator Duplex Receptacles, 2 Pole, 3 Wire

Description	WR* TR* Weather and Tamper-Resistant	TR* Tamper-Resistant	Standard	Standard
Termination	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RRD15SBKWRTR**	**RRD15SBKTR**	**RRD15SBK**	**RRD15BK**
Brown	**RRD15SWRTR**	**RRD15STR**	**RRD15S**	**RRD15**
Gray	**RRD15SGYWRTR**	**RRD15SGYTR**	**RRD15SGY**	**RRD15GY**
Ivory	**RRD15SIWRTR**	**RRD15SITR**	**RRD15SI**	**RRD15I**
Lt. Almond	**RRD15SLAWRTR**	**RRD15SLATR**	**RRD15SLA**	**RRD15LA**
White	**RRD15SWWRTR**	**RRD15SWTR**	**RRD15SW**	**RRD15W**

RRD15WTR

Description	TR* Tamper-Resistant	TR* Tamper-Resistant, Without Ears**	Standard, Without Ears**
Termination	Self-Grounding, Eight Push Wire Holes Only #14 AWG	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RRD15EBKTR**	**RRD15KBKTR**	**RRD15KBK**
Brown	**RRD15ETR**	**RRD15KTR**	**RRD15K**
Gray	**RRD15EGYTR**	**RRD15KGYTR**	**RRD15KGY**
Ivory	**RRD15EITR**	**RRD15KITR**	**RRD15KI**
Lt. Almond	**RRD15ELATR**	**RRD15KLATR**	**RRD15KLA**
White	**RRD15EWTR**	**RRD15KWTR**	**RRD15KW**

RRD15SW

*Note: *See Technical section, page 10 for Weather and Tamper-Resistant descriptions.*
***100 per case, bulk packed. Mounting screws inserted into strap.*

RRD15KW

Decorator Single Receptacles, 2 Pole, 3 Wire

Description	TR* Tamper-Resistant	Standard	TR* Tamper-Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R
Black	**RRD151BKTR**	**RRD151BK**	**RRD201BKTR**	**RRD201BK**
Brown	**RRD151TR**	**RRD151**	**RRD201TR**	**RRD201**
Gray	**RRD151GYTR**	**RRD151GY**	**RRD201GYTR**	**RRD201GY**
Ivory	**RRD151ITR**	**RRD151I**	**RRD201ITR**	**RRD201I**
Lt. Almond	**RRD151LATR**	**RRD151LA**	**RRD201LATR**	**RRD201LA**
White	**RRD151WTR**	**RRD151W**	**RRD201WTR**	**RRD201W**

RRD151W

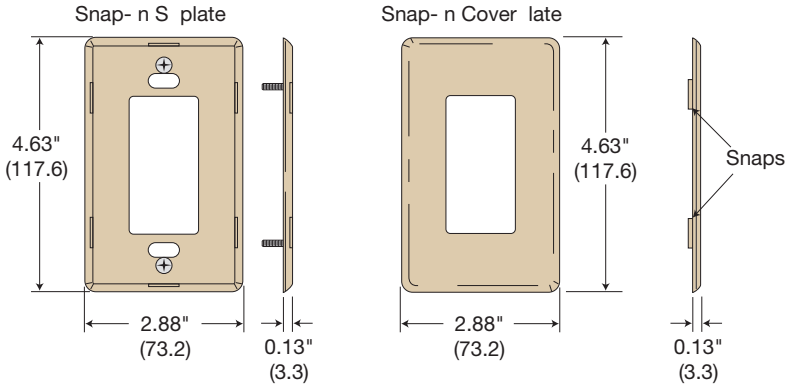
Description	Standard	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 250V NEMA 6-15R	20A 250V NEMA 6-20R
Black	**RRD155BK**	**RRD205BK**
Brown	**RRD155**	**RRD205**
Gray	**RRD155GY**	**RRD205GY**
Ivory	**RRD155I**	**RRD205I**
Lt. Almond	**RRD155LA**	**RRD205LA**
White	**RRD155W**	**RRD205W**

*Note: *See Technical section, page 10 for Tamper-Resistant description.*

RRD205W

More Style In a Snap

Snap-on wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting plate onto the device and press the snap-on cover into place. Four snaps securely hold the cover to the subplate.



Decorator, Snap-On, Polycarbonate, Two Piece Construction Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Ivory	**RCW1I**	**RCW2I**	**RCW3I**	**RCW4I**	**RCW5I**	**RCW6I**
Light Almond	**RCW1LA**	**RCW2LA**	**RCW3LA**	**RCW4LA**	**RCW5LA**	**RCW6LA**
White	**RCW1W**	**RCW2W**	**RCW3W**	**RCW4W**	**RCW5W**	**RCW6W**

Decorator, Screw-On, Standard, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	**NP26BK**	**NP262BK**	**NP263BK**	**NP264BK**	**NP265BK**	**NP266BK**
Brown	**NP26**	**NP262**	**NP263**	**NP264**	**NP265**	**NP266**
Gray	**NP26GY**	**NP262GY**	**NP263GY**	**NP264GY**	**NP265GY**	**NP266GY**
Ivory	**NP26I**	**NP262I**	**NP263I**	**NP264I**	**NP265I**	**NP266I**
Light Almond	**NP26LA**	**NP262LA**	**NP263LA**	**NP264LA**	**NP265LA**	**NP266LA**
White	**NP26W**	**NP262W**	**NP263W**	**NP264W**	**NP265W**	**NP266W**

Decorator, Screw-On, Mid-Size, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	**NPJ26BK**	**NPJ262BK**	**NPJ263BK**	**NPJ264BK**	—	—
Brown	**NPJ26**	**NPJ262**	**NPJ263**	**NPJ264**	—	—
Gray	**NPJ26GY**	**NPJ262GY**	**NPJ263GY**	**NPJ264GY**	—	—
Ivory	**NPJ26I**	**NPJ262I**	**NPJ263I**	**NPJ264I**	—	—
Light Almond	**NPJ26LA**	**NPJ262LA**	**NPJ263LA**	**NPJ264LA**	—	—
White	**NPJ26W**	**NPJ262W**	**NPJ263W**	**NPJ264W**	—	—

Decorator, Screw-On, Mid-Size, Metal Wallplates

Material	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Brass	**SB26**	**SB262**	—	—	—	—
Brass Plated	**SBP26**	**SBP262**	**SBP263**	—	—	—
Chrome	**SCH26**	**SCH262**	—	—	—	—
S/S 302/304	**SS26**	**SS262**	**SS263**	**SS264**	**SS265**	**SS266**
S/S 430	**SS26L**	**SS262L**	—	—	—	—

Dimensions in Inches (mm)

Combination, Nylon, Standard Wallplates

Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	**NP126BK**	**NP826BK**	**NP1326BK**	**NP226BK**	**NP1262BK**	**NP326BK**	**NP2262BK**
Brown	**NP126**	**NP826**	**NP1326**	**NP226**	**NP1262**	**NP326**	**NP2262**
Gray	**NP126GY**	**NP826GY**	**NP1326GY**	**NP226GY**	**NP1262GY**	**NP326GY**	**NP2262GY**
Ivory	**NP126I**	**NP826I**	**NP1326I**	**NP226I**	**NP1262I**	**NP326I**	**NP2262I**
Light Almond	**NP126LA**	**NP826LA**	**NP1326LA**	**NP226LA**	**NP1262LA**	**NP326LA**	**NP2262LA**
White	**NP126W**	**NP826W**	**NP1326W**	**NP226W**	**NP1262W**	**NP326W**	**NP2262W**

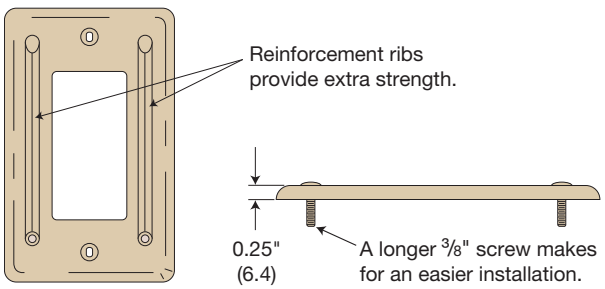
Combination, Nylon, Mid-Size Wallplates

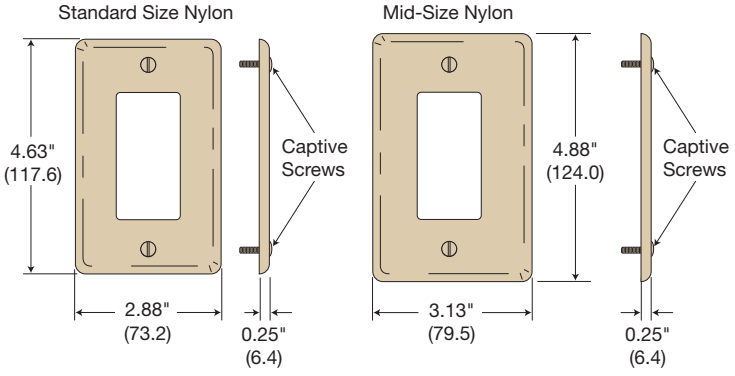
Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	**NPJ126BK**	**NPJ826BK**	—	**NPJ226BK**	—	—	—
Brown	**NPJ126**	**NPJ826**	**NPJ1326**	**NPJ226**	—	—	—
Gray	**NPJ126GY**	**NPJ826GY**	—	**NPJ226GY**	—	—	—
Ivory	**NPJ126I**	**NPJ826I**	**NPJ1326I**	**NPJ226I**	—	—	—
Light Almond	**NPJ126LA**	**NPJ826LA**	**NPJ1326LA**	**NPJ226LA**	—	—	—
White	**NPJ126W**	**NPJ826W**	**NPJ1326W**	**NPJ226W**	—	—	—

Combination, Standard, Metal Wallplates

Material	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Strap Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Brass	**SB126**	**SB826**	—	—	—	—	—
Brass Plated	**SBP126**	—	—	—	—	—	—
Chrome	—	—	—	—	—	—	—
SS 302/304	**SS126**	**SS826**	**SS1426**	**SS226**	—	**SS326**	—
SS 430	**SS126L**	—	—	—	—	—	—

Dimensions



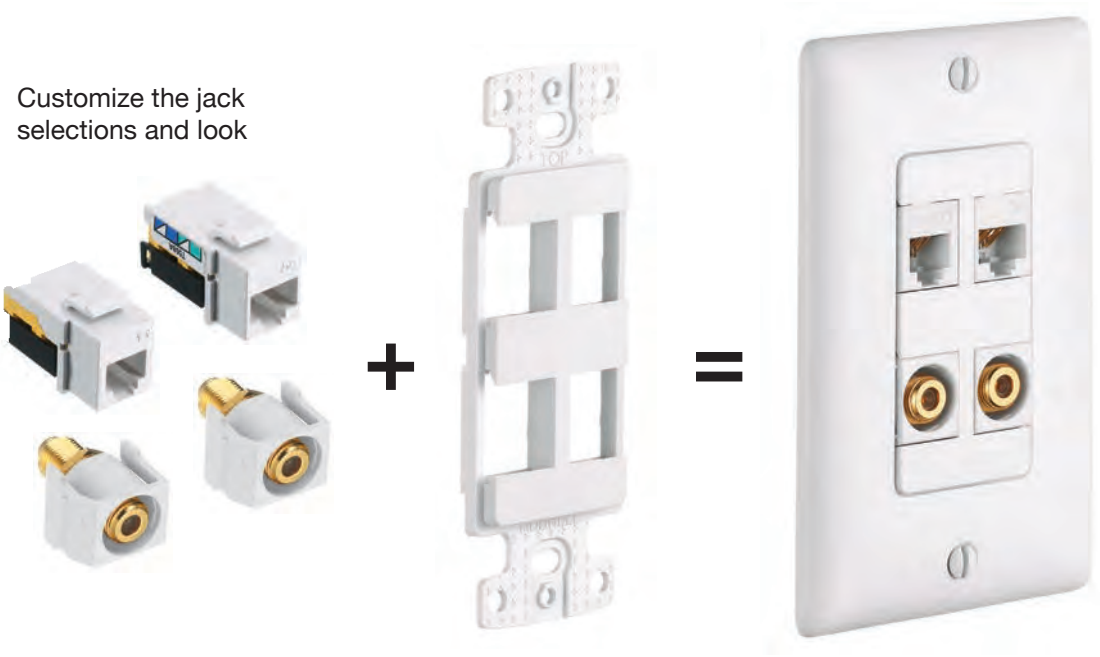


Dimensions in Inches (mm)

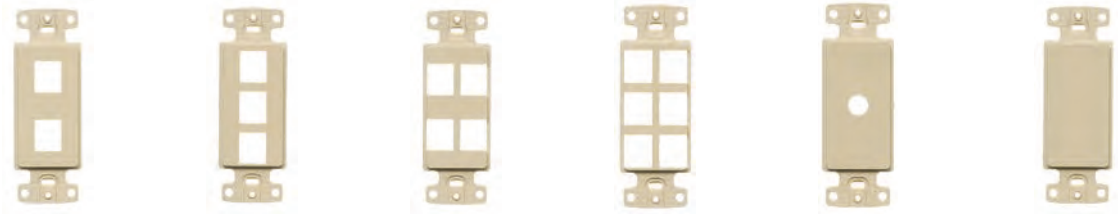
Features

Decorator frames provide a stylized look for that finishing touch. This allows all devices to match. Multimedia jacks insert into frame for custom configuration.

- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified



Decorator Frames



Color	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter .406" (10.30) Dia. Hole*	1-Gang, Adapter Blank**
Black	**NS612BK**	**NS613BK**	**NS614BK**	**NS616BK**	**NS621BK**	**NS620BK**
Gray	**NS612GY**	**NS613GY**	**NS614GY**	**NS616GY**	**NS621GY**	**NS620GY**
Ivory	**NS612I**	**NS613I**	**NS614I**	**NS616I**	**NS621I**	**NS620I**
Light Almond	**NS612LA**	**NS613LA**	**NS614LA**	**NS616LA**	**NS621LA**	**NS620LA**
White	**NS612W**	**NS613W**	**NS614W**	**NS616W**	**NS621W**	**NS620W**

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
***To fill an extra decorator opening or to create customized openings.*

Features

netSELECT® Voice/Data Jacks and AV Connectors allow custom creation of multimedia outlets and workstations while maintaining a decorative look.

- Quick and secure snap-in design
- Use with multimedia plates and decorator frames (see page X-8)
- UL Listed and CSA Certified, or cULus Listed 1863 - Communication Circuit Accessory

Molded-In Voice/Low-Speed Data - Modular Snap Fit

Description	Category 6 Jack (single)	Category 6 Jack (25 pack)	Category 5e Jack (single)	Category 5e Jack (25 pack)	USOC Jack (single)
Black	**NSJ6BK**	**NSJ6BK25**	**NSJ5EBK**	**NSJ5EBK25**	**NSJUBK**
Blue	**NSJ6B**	**NSJ6B25**	**NSJ5EB**	**NSJ5EB25**	**NSJUB**
Gray	**NSJ6GY**	**NSJ6GY25**	**NSJ5EGY**	**NSJ5EGY25**	**NSJUGY**
Green	**NSJ6GN**	**NSJ6GN25**	**NSJ5EGN**	**NSJ5EGN25**	**NSJUGN**
Ivory	**NSJ6I**	**NSJ6I25**	**NSJ5EI**	**NSJ5EI25**	**NSJUI**
Light Almond	**NSJ6LA**	**NSJ6LA25**	**NSJ5ELA**	**NSJ5ELA25**	**NSJULA**
Orange	**NSJ6OR**	**NSJ6OR25**	**NSJ5EOR**	**NSJ5EOR25**	**NSJUOR**
Red	**NSJ6R**	**NSJ6R25**	**NSJ5ER**	**NSJ5ER25**	**NSJUR**
White	**NSJ6W**	**NSJ6W25**	**NSJ5EW**	**NSJ5EW25**	**NSJUW**
Yellow	**NSJ6Y**	**NSJ6Y25**	**NSJ5EY**	**NSJ5EY25**	**NSJUY**

Audio/Video Connectors - Standard Bulkhead

Description	Nickel F-Type Coupler Bulkhead, Female to Female	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass Through, Female to Female, Red Interior	RCA Gold Pass Through, Female to Female, White Interior	RCA Gold Pass Through, Female to Female, Yellow Interior	RCA Gold Pass Through, Female to Female, Blue Interior	RCA Gold Pass Through, Female to Female, Green Interior
Black	**NSF70BK**	**SFFGBK**	**SFRCRFFBK**	**SFRCWFFBK**	**SFRCYFFBK**	**SFRCBFFBK**	**SFRCGNFFBK**
Gray	**NSF70GY**	**SFFGGY**	**SFRCRFFGY**	**SFRCWFFGY**	**SFRCYFFGY**	**SFRCBFFGY**	**SFRCGNFFGY**
Ivory	**NSF70I**	**SFFGEI**	**SFRCRFFEI**	**SFRCWFFEI**	**SFRCYFFEI**	**SFRCBFFEI**	**SFRCGNFFEI**
Light Almond	**NSF70LA**	**SFFGLA**	**SFRCRFFLA**	**SFRCWFFLA**	**SFRCYFFLA**	**SFRCBFFLA**	**SFRCGNFFLA**
White	**NSF70W**	**SFFGW**	**SFRCRFFW**	**SFRCWFFW**	**SFRCYFFW**	**SFRCBFFW**	**SFRCGNFFW**

Audio/Video Connectors - Recessed

Description	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass Through, Female to Female, Red Interior	RCA Gold Pass Through, Female to Female, White Interior	RCA Gold Pass Through, Female to Female, Yellow Interior	RCA Gold Pass Through, Female to Female, Blue Interior	RCA Gold Pass Through, Female to Female, Green Interior	Blank Insert
Black	**SFGRFBK**	**SFRCRRBK**	**SFRCWRBK**	**SFRCYRBK**	**SFRCBRBK**	**SFRCGNRBK**	**SFSBBK10***
Gray	**SFGRFGY**	**SFRCRRGY**	**SFRCWRGY**	**SFRCYRGY**	**SFRCBRGY**	**SFRCGNRGY**	**SFSBGY10***
Ivory	**SFGRFEI**	**SFRCRREI**	**SFRCWREI**	**SFRCYREI**	**SFRCBREI**	**SFRCGNREI**	**SFSBEI10***
Light Almond	**SFGRFLA**	**SFRCRRLA**	**SFRCWRLA**	**SFRCYRLA**	**SFRCBRLA**	**SFRCGNRLA**	**SFSBLA10***
White	**SFGRFW**	**SFRCRRW**	**SFRCWRW**	**SFRCYRW**	**SFRCBRW**	**SFRCGNRW**	**SFSBW10***

*Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.*

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e One RJ11 Jack, 6-Position, 4-Conductor
Termination	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down
Color				
Black	**NS770BK**	**—**	**—**	**NS784BK**
Brown	**NS770**	**NS771**	**—**	**NS784**
Gray	**NS770GY**	**—**	**—**	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

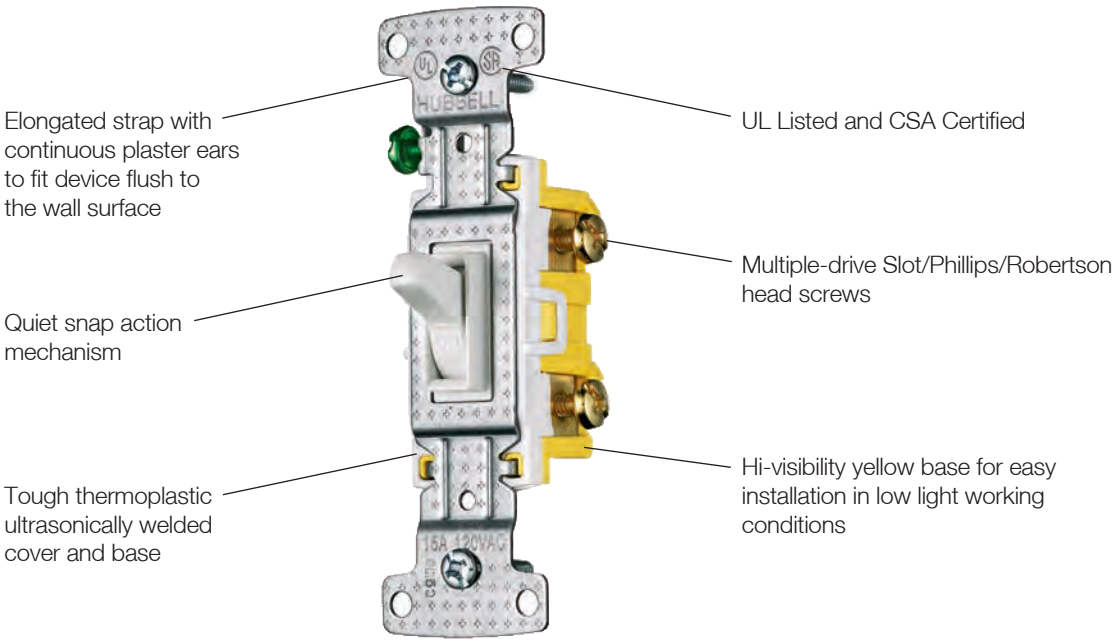
Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, Duplex F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e One F-Type Coupler Bulkhead, Female to Female
Termination	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down
Color				
Black	**—**	**—**	**—**	**NS785BK**
Brown	**—**	**—**	**—**	**NS785**
Gray	**—**	**—**	**—**	**NS785GY**
Ivory	**NS780I**	**NS782I**	**NS783I**	**NS785I**
Light Almond	**NS780LA**	**NS782LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS782W**	**NS783W**	**NS785W**

Features

Standard toggle switches provide the basic on/off control for home lighting and appliances.

- Tough thermoplastic with ultrasonically welded cover and base
- Elongated strap for easier wall box mounting
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed E3896, CSA Certified

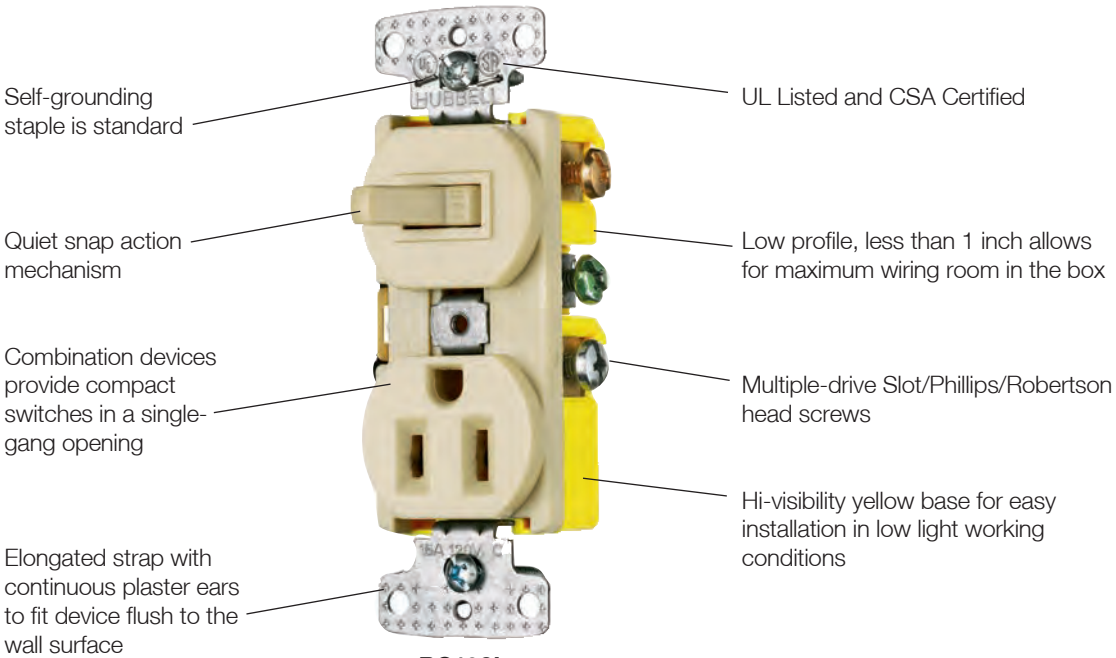


RS115W

Features

Mini-toggles provide for multiple switches in a compact single gang. Maximize control while maintaining function and appearance.

- Low profile, less than 1 inch
- Self-grounding feature is standard
- Smooth toggle action
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



RC108I

Single Pole Toggle Switches

Description	Single Pole	Single Pole	Single Pole, Illuminated
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC
Color			
Clear	—	—	**RS115ILC**
Black	**RS115BK**	—	—
Brown	**RS115**	**RS115S**	—
Ivory	**RS115I**	**RS115SI**	**RS115ILI***
Light Almond	**RS115LA**	**RS115SLA**	**RS115ILLA***
White	**RS115W**	**RS115SW**	**RS115ILW***

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Three and Four Way Toggle Switches

Description	Three Way	Three Way	Three Way, Illuminated	Four Way
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC	15A 120V AC
Color				
Clear	—	—	**RS315ILC**	—
Black	**RS315BK**	—	—	**RS415BK**
Brown	**RS315**	**RS315S**	—	**RS415**
Ivory	**RS315I**	**RS315SI**	**RS315ILI***	**RS415I**
Light Almond	**RS315LA**	**RS315SLA**	**RS315ILLA***	**RS415LA**
White	**RS315W**	**RS315SW**	**RS315ILW***	**RS415W**

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Combination Toggle Switches/Devices

Description	Two (2) Single Pole Switches	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color				
Brown	**RC101**	**RC108TR**	**RC108**	**RC109**
Ivory	**RC101I**	**RC108ITR**	**RC108I**	**RC109I**
Light Almond	**RC101LA**	**RC108LATR**	**RC108LA**	**RC109LA**
White	**RC101W**	**RC108WTR**	**RC108W**	**RC109W**

Note: See page Tech-10 for Tamper-Resistant description.
**Neutral required for pilot light, see page X-4 for wiring diagram.*

Combination Toggle Switches/Devices

Description	Single Pole and Three Way Switch	Two (2) Three Way Switches	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Three Way Switch, 2 Pole, 3 Wire, Receptacle	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color					
Brown	**RC103**	**RC303**	**RC308TR**	**RC308**	**RC309**
Ivory	**RC103I**	**RC303I**	**RC308ITR**	**RC308I**	**RC309I**
Light Almond	**RC103LA**	**RC303LA**	—	—	—
White	**RC103W**	**RC303W**	**RC308WTR**	**RC308W**	**RC309W**

Note: See page Tech-10 for Tamper-Resistant description.
**Neutral required for pilot light, see page X-4 for wiring diagram.*

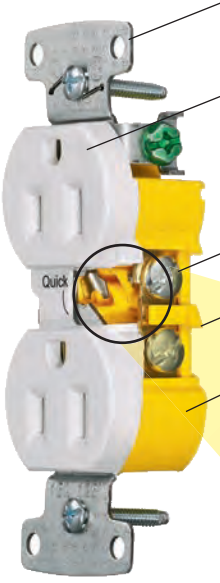
Duplex Quick Thread Receptacles

Quick and Easy Does It

Residential exclusive "Quick Thread" makes installation of wallplates and receptacles quicker and easier. Just push in the screw and turn. Provides branch circuit convenience power in duplex and single configurations.

- Smooth indented face appearance
- Terminal screws accepts up to #12 AWG
- Push wire designed for #14 AWG solid copper wire only
- Operating temperature: -20°C to 60°C
- UL Listed E2186, CSA Certified

NP8W



RR15QWTR

Elongated strap with continuous plaster ears to secure device

New face design provides smooth appearance to complement interiors and the convenience of finder grooves

Multiple-drive Slot/Phillips/Robertson head screws

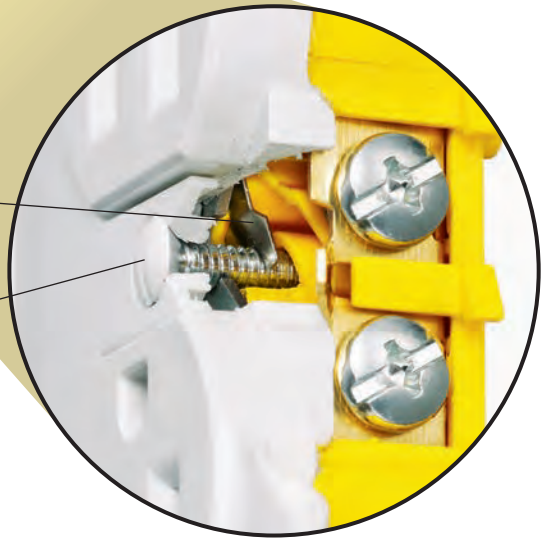
Push wire "sure hold" termination for extra holding power

Tough thermoplastic ultrasonically welded cover and base

How "Quick Thread" Works

A stainless steel spring grabs the threads and locks the screw in place. "Quick Thread" works with any wallplate screw

Just push the screw in with a screwdriver



RR15QW

Duplex Quick Thread Receptacles, 2 Pole, 3 Wire

Description	TR Tamper-Resistant, Quick Thread	TR Tamper-Resistant, Quick Thread
Termination	Self-Grounding, Push and Side Wire	Eight Push Wire Holes Only #14 AWG
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RR15QBKTR**	**RR15EQBKTR**
Brown	**RR15QTR**	**RR15EQTR**
Ivory	**RR15QITR**	**RR15EQITR**
Light Almond	**RR15QLATR**	**RR15EQLATR**
White	**RR15QWTR**	**RR15EQWTR**

Note: See page Tech-10 for Tamper-Resistant description.

Duplex and Single Receptacles

Duplex Receptacles, 2 Pole, 3 Wire

Description	Standard	Weather and Tamper-Resistant	Tamper-Resistant	Standard
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RR15BK**	**RR15SBKWRTR**	**RR15SBKTR**	**RR15SBK**
Brown	**RR15**	**RR15SWRTR**	**RR15STR**	**RR15S**
Ivory	**RR15I**	**RR15SIWRTR**	**RR15SITR**	**RR15SI**
Light Almond	**RR15LA**	**RR15SLAWRTR**	**RR15SLATR**	**RR15SLA**
White	**RR15W**	**RR15SWWRTR**	**RR15SWTR**	**RR15SW**

Description	Tamper-Resistant,	Tamper-Resistant, Without Ears*	Standard, Without Ears*
Termination	Eight Push Wire Holes Only #14 AWG	Eight Push Wire Holes Only #14 AWG	Eight Push Wire Holes Only #14 AWG
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RR15EBKTR**	—	—
Brown	**RR15ETR**	**RR15KTR**	**RR15K**
Gray	**RR15EGYTR**	—	—
Ivory	**RR15EITR**	**RR15KITR**	**RR15KI**
Light Almond	**RR15ELATR**	**RR15KLATR**	—
White	**RR15EWTR**	**RR15KWTR**	**RR15KW**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
**100 per case, bulk packed. Mounting screws inserted into strap.*

RR15W

RR15EWTR

RR15KW

Single Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 250V NEMA 6-15R	15A 250V NEMA 6-15R
Black	**RR151BKWRTR**	**RR151BKTR**	**RR151BK**	**RR155BKWR**	**RR155BK**
Brown	**RR151WRTR**	**RR151TR**	**RR151**	**RR155WR**	**RR155**
Gray	**RR151GYWRTR**	**RR151GYTR**	**RR151GY**	**RR155GYWR**	**RR155GY**
Ivory	**RR151IWRTR**	**RR151ITR**	**RR151I**	**RR155IWR**	**RR155I**
Light Almond	**RR151LAWRTR**	**RR151LATR**	**RR151LA**	**RR155LAWR**	**RR155LA**
White	**RR151WWRTR**	**RR151WTR**	**RR151W**	**RR155WWR**	**RR155W**

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 250V NEMA 6-20R	20A 250V NEMA 6-20R
Black	**RR201BKWRTR**	**RR201BKTR**	**RR201BK**	**RR205BKWR**	**RR205BK**
Brown	**RR201WRTR**	**RR201TR**	**RR201**	**RR205WR**	**RR205**
Gray	**RR201GYWRTR**	**RR201GYTR**	**RR201GY**	**RR205GYWR**	**RR205GY**
Ivory	**RR201IWRTR**	**RR201ITR**	**RR201I**	**RR205IWR**	**RR205I**
Light Almond	**RR201LAWRTR**	**RR201LATR**	**RR201LA**	**RR205LAWR**	**RR205LA**
White	**RR201WWRTR**	**RR201WTR**	**RR201W**	**RR205WWR**	**RR205W**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.

RR151W

RR201W

USB Charger Receptacle Tamper-Resistant Duplex

Power Delivery

Features

Hubbell's USB Charger Receptacle provides both USB and electrical power in a standard single gang electrical opening. Designed to provide more charging options for personal electronics. The USB ports are capable of charging two tablets simultaneously. The Tamper-Resistant Style Line® decorator outlets provide additional power for appliance use.

- Two USB ports 3 Amp, 5VDC, Type A, 2.0
- Tamper-Resistant (TR) decorator duplex
- Green LED indicator to show USB power available
- Impact and chemical resistant
- Back and side wire for solid or stranded wire
- Flush fit design

Typical Applications

Ideal for use in renovation, new construction and to add capacity for USB charging. Especially suited for use in hotels, hospitals, schools, offices, homes and more.

Hotels

Healthcare

Schools

Offices

Residential

Capability to charge wide range of devices including:

- Tablets
- Smartphones
- MP3 players
- Apple® iPad®
- Apple® iPod®
- Apple® iPhone®

USB15X2W

- Hospital grade available
- Complies with battery charging specification USB BC1.2
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products
- Complies with Part 15 of the FCC rules
- cULus listed to UL498 and UL1310

Apple, iPad, iPod and iPhone are registered trademarks of Apple, inc.

USB Charger Receptacle Tamper-Resistant Duplex

15A 125V NEMA 5-15R UL/CSA — 20A 125V NEMA 5-20R UL/CSA

Description	Color	Catalog Number	
USB Charger Tamper-Resistant receptacle, Two USB Type 2.0 Ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC decorator duplex.	Black	**USB15X2BK**	**USB20X2BK**
	Brown	**USB15X2**	**USB20X2**
	Gray	**USB15X2GY**	**USB20X2GY**
	Ivory	**USB15X2I**	**USB20X2I**
	Light Almond	**USB15X2LA**	**USB20X2LA**
	White	**USB15X2W**	**USB20X2W**
Hospital Grade USB Charger Tamper-Resistant receptacle, Two USB Type 2.0 Ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC decorator duplex.	Black	**USB8200BK**	**USB8300BK**
	Brown	**USB8200**	**USB8300**
	Gray	**USB8200GY**	**USB8300GY**
	Ivory	**USB8200I**	**USB8300I**
	Light Almond	**USB8200LA**	**USB8300LA**
	Red	**USB8200R**	**USB8300R**
	White	**USB8200W**	**USB8300W**

Note: See page Tech-10 for Tamper-Resistant description.

USB15X2W

USB8300W

USB 4 Port Charger

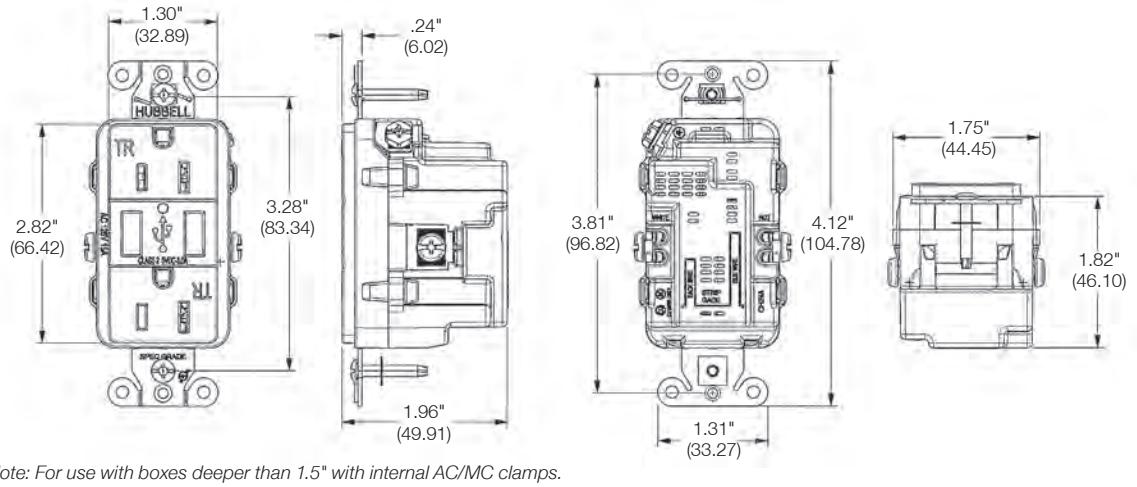
Description	Color	Catalog Number
USB Charger 4 Port Outlet, Four USB Type 2.0 Ports 5 Amp, 5 Volt DC decorator.	Black	**USB4BK**
	Brown	**USB4**
	Gray	**USB4GY**
	Ivory	**USB4I**
	Light Almond	**USB4LA**
	White	**USB4W**

USB4W

Specifications

- Electrical ratings: 15 or 20 Amp, 125VAC, USB 3 Amp, 5VDC
- Input voltage: 125V AC, 60Hz
- Circuit feed-through 20 Amp, 125 Volt
- #10-14 AWG gauge wire terminals
- Dielectric withstand: 2000V
- Operating temperature: maximum continuous 75° C; minimum -40° C (without impact)
- Meets UL94 for 5V flammability rating
- Complies with battery charging specification USB BC1.2
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products
- Complies with Part 15 of the FCC rules
- cULus listed to UL498 and UL1310

Dimensions



Note: For use with boxes deeper than 1.5" with internal AC/MC clamps.

Apple, iPad, iPod and iPhone are registered trademarks of Apple, inc.

Dimensions in Inches (mm)

GFCI Receptacles with Auto Grounding

15 and 20 Ampere, 125 Volts AC, 2 Pole, 3 Wire Grounding

Meets UL Standard 943 Class A GFCI

Safety and Economy

GF15ILA

10kA Short Circuit Current Rating

Comprehensive diagnostics
- When test button is actuated, both the electronic components and mechanical trip mechanism are functionally tested

Ground fault indicator
- Flashing **RED** indicates device has lost capability to provide protection

No power at face if reverse wired
- Open circuit condition eliminates false assumption of protection at face

Installation ease
- Internal back wiring
- Automatic grounding feature
- Captive mounting screws

GF15ILA

GFTR20I

GFBF20ILA

GFCI Duplex Receptacles, Flush Nylon Face, Matching Nylon Wallplate Included

Description	Weather and Tamper-Resistant	15A 125V NEMA 5-15R UL/CSA Standard	Weather and Tamper-Resistant	20A 125V NEMA 5-20R UL/CSA Standard
Termination	Self-Grounding, Back and Side Wire	Self-Grounding, Back and Side Wire	Self-Grounding, Back and Side Wire	Self-Grounding, Back and Side Wire
Rating	15A 125V AC NEMA 5-15R	15A 125V AC NEMA 5-15R	20A 125V AC NEMA 5-20R	20A 125V AC NEMA 5-20R
Black	**GFTR15BK**	**GF15BKLA**	**GFTR20BK**	**GF20BKLA**
Brown	**GFTR15**	**GF15LA**	**GFTR20**	**GF20LA**
Gray	**GFTR15GY**	**GF15GYLA**	**GFTR20GY**	**GF20GYLA**
Ivory	**GFTR15I**	**GF15ILA**	**GFTR20I**	**GF20ILA**
Light Almond	**GFTR15LA**	**GF15LALA**	**GFTR20LA**	**GF20LALA**
Red	**GFTR15R**	**GF15RLA**	**GFTR20R**	**GF20RLA**
White	**GFTR15W**	**GF15WLA**	**GFTR20W**	**GF20WLA**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
*Bulk 50 pack available without plates, add "**BULK**" suffix. Example: **GFTR20WBULK**.*

GFCI Faceless Receptacles, Flush Nylon Face, Matching Nylon Wallplate Included

Description	Circuit Guard® Faceless
Termination	Self-Grounding, Back and Side Wire
Rating	20A 125V NEMA 5-20R
Black	**GFBF20BKLA**
Brown	**GFBF20LA**
Gray	**GFBF20GYLA**
Ivory	**GFBF20ILA**
Light Almond	**GFBF20LALA**
Red	**GFBF20RLA**
White	**GFBF20WLA**

Range and Dryer Power Receptacles and Plugs

30 and 50 Ampere, 125/250 Volts AC, 3 Pole, 3 Wire and 3 Pole, 4 Wire

Range and Dryer Power Receptacles

	30A 125/250V NEMA 14-30R UL/CSA	50A 125/250V NEMA 14-50R UL/CSA	30A 125/250V NEMA 10-30R UL/CSA	50A 125/250V NEMA 10-50R UL/CSA
Description	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430F**	**RR450F**	**RR330F***	**RR350F***
White	**RR430FW**	**RR450FW**	—	—

RR430FW

Description	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430**	**RR450**	**RR330***	**RR350***

RR450

Description	Panel Mount	Panel Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground
Black	**RR430PM**	**RR450PM**
White	—	—

*Note: *For replacement use only.*

RR430PM

Range and Dryer Power Angled Plugs

	30A 125/250V NEMA 14-30R UL/CSA	50A 125/250V NEMA 14-50R UL/CSA	30A 125/250V NEMA 10-30R UL/CSA	50A 125/250V NEMA 10-50R UL/CSA
Description	With Interchangeable Blades for 30 or 50 Amp		With Interchangeable Blades for 30 or 50 Amp	
Rating	30/50A 125/250V 3 Pole, 4 Wire with Ground		30/50A 125/250V 3 Pole, 3 Wire without Ground	
Black	**RR435P**		**RR335P**	

RR435P

Wallplates, Surface Mount, 2.15" Diameter Single Hole

Description	1-Gang Standard	1-Gang Mid size	2-Gang Standard	2-Gang Mid size
Ivory	**NP724I**	**NPJ724I**	**NP703I**	**NPJ703I**
White	**NP724W**	**NPJ724W**	**NP703W**	**NPJ703W**
Chrome	**SCH723**	—	—	—
Stainless Steel	**SS723**	—	**SS703**	—

NP724W

NP703W

RR151CHW

RJ650BK

Dividers

RJ600

RDS50

RS100W

RS101W

Dimensions in Inches (mm)

Special Use Products

Description	Color	Tamper-Resistant	Tamper-Resistant
Clock Hanger/Recessed receptacle, 2 pole, 3 wire, grounding, side wire terminations	Brass Stainless Steel Ivory (Nylon) White (Nylon)	**RR151CHBSTR** **RR151CHSSTR** **RR151CHITR** **RR151CHWTR**	**RR201CHBSTR** **RR201CHSSTR** **RR201CHITR** **RR201CHWTR**
JLOAD® Multimedia Outlet Provides power, Cat. 5e and coaxial in a single gang box. Requires RJ600 Box. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**
JLOAD® Multimedia Box 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**

15A 125V NEMA 5-15R UL/CSA — 20A 125V NEMA 5-20R UL/CSA

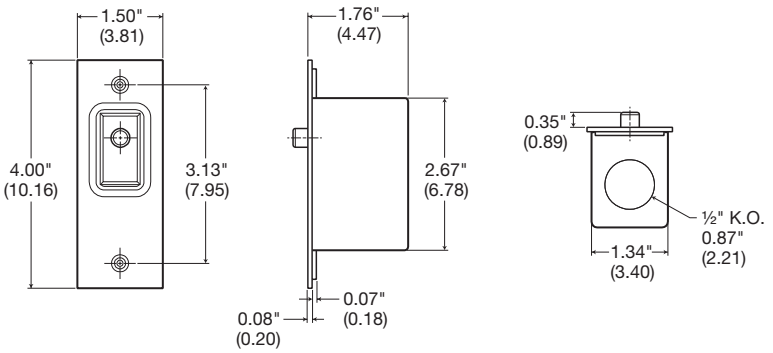
Note: See pages X-24 to X-29 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.

Door Switch with Cover Plate and Box

Description	"ON" when Door is Open	"OFF" when Door is Open
Rating	3A 125V AC	3A 125V AC
Zinc Plated Steel	**RDS50***	**RDS30***

*Note: *Not UL Listed.*

Dimensions



In-Line Cord Switches

Description	Mini For Use with Flat Lamp Cord	Heavy Duty
Rating	6A 125V AC	6A 125V AC, ⅙ HP
Wire	#18 AWG SPT 1 and SPT 2	#18 to #16 AWG SPT 1 and SPT 2
Ivory	—	**RS101I**
White	**RS100W**	**RS101W**

Rocker Decorator Dimmers, Preset with Night Light

Description	Side Slide Adjustment, Incandescent	Side Slide Adjustment, Incandescent	Side Slide Adjustment, Incandescent	Side Slide Adjustment, Incandescent
Termination	Single Pole	Three Way	Single Pole	Three Way
Rating	1000W 120V AC	1000W 120V AC	600W 120V AC	600W 120V AC
Ivory	**RDV10PI**	**RDV103PI**	**RDV600PI**	**RDV603PI**
Light Almond	**RDV10PLA**	**RDV103PLA**	**RDV600PLA**	**RDV603PLA**
White	**RDV10PW**	**RDV103PW**	**RDV600PW**	**RDV603PW**

RDV600PW

Description	Magnetic Low Voltage	Magnetic Low Voltage	Electronic Low Voltage	Electronic Low Voltage Requires Neutral
Termination	Single Pole	Three Way	Single Pole	Three Way
Rating	600VA (450W) 120V AC	600VA (450W) 120V AC	300W 120V AC	300W 120V AC
Ivory	**RDVLV600PI**	**RDVLV603PI**	**RDVELV300PI**	**RDVELV303PI**
Light Almond	**RDVLV600PLA**	**RDVLV603PLA**	**RDVELV300PLA**	**RDVELV303PLA**
White	**RDVLV600PW**	**RDVLV603PW**	**RDVELV300PW**	**RDVELV303PW**

RS600PW

Slide Dimmers, Preset with On/Off Switch

Description	Incandescent	Incandescent	Incandescent	Incandescent
Termination	Single Pole	Three Way	Single Pole	Three Way
Rating	1000W 120V AC	1000W 120V AC	600W 120V AC	600W 120V AC
Ivory	**RS10PI**	**RS103PI**	**RS600PI**	**RS603PI**
Light Almond	**RS10PLA**	**RS103PLA**	**RS600PLA**	**RS603PLA**
White	**RS10PW**	**RS103PW**	**RS600PW**	**RS603PW**

RS600W

Description	Magnetic Low Voltage	Magnetic Low Voltage	Electronic Low Voltage	Electronic Low Voltage Requires Neutral
Termination	Single Pole	Three Way	Single Pole	Three Way
Rating	600VA (450W) 120V AC	600VA (450W) 120V AC	300W 120V AC	300W 120V AC
Ivory	**RSLV600PI**	**RSLV603PI**	**RSELV300PI**	**RSELV303PI**
Light Almond	**RSLV600PLA**	**RSLV603PLA**	**RSELV300PLA**	**RSELV303PLA**
White	**RSLV600PW**	**RSLV603PW**	**RSELV300PW**	**RSELV303PW**

RS613W

Slide Dimmers, Slide to Off

Description	Incandescent Slide to Off	Incandescent Omni Slide Button
Termination	Single Pole	Single Pole/Three Way
Rating	600W 120V AC	600W 120V AC
Ivory	**RS600I**	**RS613PI**
Light Almond	**RS600LA**	**RS613PLA**
White	**RS600W**	**RS613PW**

RS2LFSQW

Fan Speed Controls, 3 Speed

Description	Rocker Slide Adjustment	Slide Control Slide to Off	Combination Slide Dimmer, Incandescent
Termination	Single Pole/Three Way	Single Pole	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC	300W 1.5A 120V AC
Ivory	**RDVFSQFI**	**RSFSQFI**	**RS2LFSQI**
Light Almond	**RDVFSQFLA**	**RSFSQFLA**	**RS2LFSQLA**
White	**RDVFSQFW**	**RSFSQFW**	**RS2LFSQW**

Replacement Knobs

Knob
—
—
RSKI
RSKLA
RSKW

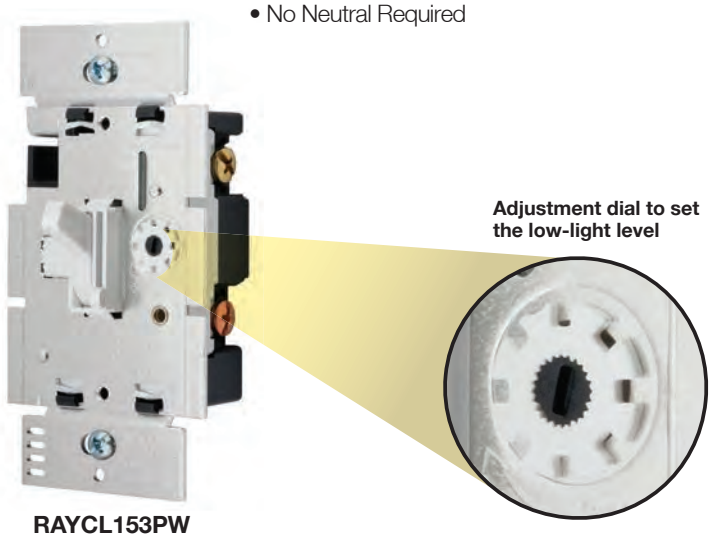
RSKW

RSKI

Features

Standard toggle switches provide the basic on/off control for home lighting and appliances.

- Optimum CFL and LED Control
- Low End Adjustment for Fine Tuning
- Decorator and Traditional Toggle Styling Available
- No Neutral Required



RAYCL153PW

RDVCL153PW

RAY600PW

RFSQ2FDK

R28032401

R28032406

CFL/LED Dimmers

Description	Decorator Dimmer	Toggle Dimmer
Rating	CFL/LED 150W Incadescent/ Halogen 600W 120V, 60Hz	CFL/LED 150W Incadescent/ Halogen 600W 120V, 60Hz
Termination	Single Pole/Three Way	Single Pole/Three Way
Ivory	**RDVCL153PI**	**RAYCL153PI**
Light Almond	**RDVCL153PLA**	**RAYCL153PLA**
White	**RDVCL153PW**	**RAYCL153PW**

Toggle Incandescent Preset Dimmers

Description	Side Slide Adjustment with Wire Leads	Side Slide Adjustment with Wire Leads	Side Slide Adjustment with Terminal Screws	Side Slide Adjustment with Terminal Screws
Termination	Single Pole	Three Way	Single Pole	Three Way
Rating	1000W 120V AC	1000W 120V AC	600W 120V AC	600W 120V AC
Ivory	**RAY10PI**	**RAY103PI**	**RAY600PI**	**RAY603PI**
Light Almond	**RAY10PLA**	**RAY103PLA**	**RAY600PLA**	**RAY603PLA**
White	**RAY10PW**	**RAY103PW**	**RAY600PW**	**RAY603PW**

Rotary Incandescent Dimmers and Replacement Knobs

Description	On/Off Dimmer	Push On/Off Dimmer Ivory and White Knobs Provided	Push On/Off Dimmer Ivory and White Knobs Provided	Replacement Knobs 2 Piece Kit
Termination	Single Pole	Single Pole	Three Way	—
Rating	600W 120V AC	600W 120V AC	600W 120V AC	—
Ivory	**RD600RI**	—	—	—
Light Almond	**RD600RW**	—	—	—
White	—	**RD600PDK**	**RD603PDK**	**RRKDK**

Fan Speed Controls

Description	Toggle 3-Speed	Combination Toggle 3-Speed/Dimmer	Rotary On/Off 3-Speed Ivory and White Knobs Provided	Rotary Variable Speed
Termination	Single Pole or Three Way	Single Pole	Single Pole	Single Pole
Rating	1.5A 120V AC	300W 1.5A 120V AC	1.5A 120V AC	5A 120V AC
Ivory	**RAYFSQFI**	**RAY2LFSQI**	—	**RFS5I**
Light Almond	**RAYFSQFLA**	**RAY2LFSQLA**	—	**RFS5LA**
White	**RAYFSQFW**	**RAY2LFSQW**	—	—
Ivory/White	—	—	**RFSQ2FDK**	**RFS5W**

Knobs

Description	Rotary Fan Control Replacement Knobs
Termination	—
Rating	—
Ivory	**R28032406**
Light Almond	—
White	**R28032401**
Ivory/White	—

Passive Infrared Wall Switches

- Passive infrared technology
- Manual adjustment time delay (20 sec. to 30 min.)
- Photocell (WS2000xx)
- Wallplate included
- No neutral required
- cULus, CEC Title 24 Certified

Description	Color	w/ Neutral	w/ Nightlight and Neutral	Standard	w/ Nightlight
Manual adjusting; selectable manual/auto-on operation; dual-voltage 120/277V; 3-way capable.	Gray	—	—	**WS2000GY**	**WS2000NGY**
	Ivory	**WS2004I**	**WS2004NI**	**WS2000I**	**WS2000NI**
	Light Almond	—	—	**WS2000LA**	**WS2000NLA**
	White	**WS2004W**	**WS2004NW**	**WS2000W**	**WS2000NW**
Manual adjusting; auto-on operation; 120V AC only.	Ivory	—	—	**WS1000I**	**WS1000NI**
	White	—	—	**WS1000W**	**WS1000NW**
Manual adjusting; Manual-on operation; 120V AC only.	Ivory	—	—	**WS1001I**	**WS1001NI**
	White	—	—	**WS1001W**	**WS1001NW**

WS2000W

WS1000W

Dimming Control Sensors

Description	Color	Standard	w/ Nightlight
Occupancy sensor, 500W 120V AC, 150° view, single pole switch, incandescent only.	Ivory	**RMS121I**	**RMS121ILI**
	Light Almond	**RMS121LA**	**RMS121ILLA**
	White	**RMS121W**	**RMS121ILW**
Vacancy sensor, 500W 120V AC, 150° view, single pole switch, incandescent only.	Ivory	**RMS120I**	**RMS120ILI**
	Light Almond	**RMS120LA**	**RMS120ILLA**
	White	**RMS120W**	**RMS120ILW**

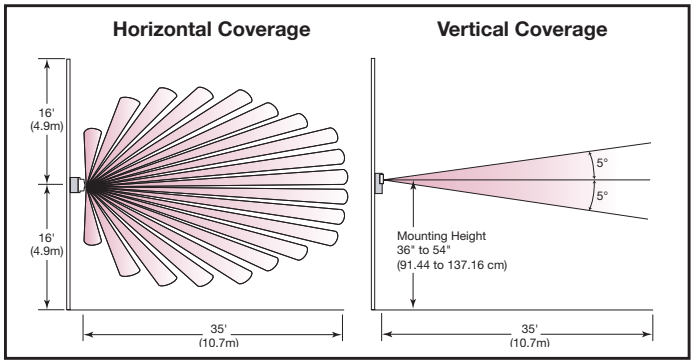
RMS121ILW
RMS120ILW

Digital Timer Wall Switch

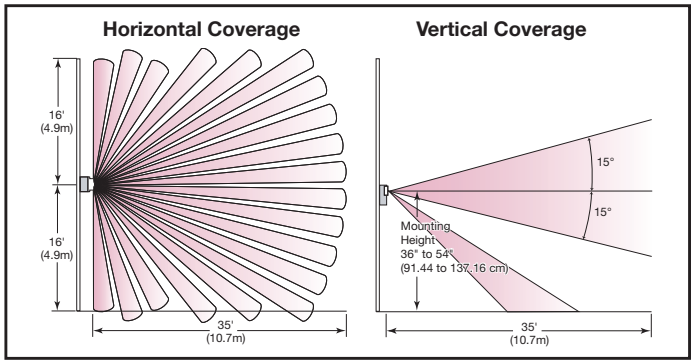
Description	Color	120V AC	277V AC	Catalog Number
Dip switch enabled preset intervals. User adjustable up to 4 hours, 3-way capable. Includes an on/off momentary push button switch feature.	White	960W	1200W	**DT2000W**

DT2000W

Coverage for Occupancy and Vacancy Sensors



Coverage for Heavy Duty Occupancy and Vacancy Sensors



Hubbell Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Specifically designed for use with structural wood floors. The boxes are height adjustable (up to ¾ inch) for optimal alignment and fit.

RF515BR

Note: Template cutout provided with instructions for proper installation.

The Right Choice for that Perfect Finishing Touch!

Solid Brass | Brass Plated | Chrome Plated | Copper Plated | Nickel Plated | Stainless Finish | Almond | Black | Chestnut Brown

Note: Not all configurations are available in all colors. See below for details.

RF515BR

RF509BR

RF500

RF507BR

Floor Boxes for Structural Wood Floors

Description	Material	Finish	Catalog No.	Material	Finish	Catalog No.
Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF515BR** **RF515SS** **RF515AL** **RF515BK** **RF515BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF515BP** **RF515CH** **RF515CU** **RF515NI**
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF506BR** **RF506SS** **RF506AL** **RF506BK** **RF506BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF506BP** **RF506CH** **RF506CU** **RF506NI**
Flush fit cover for hardwood and tile floors (similar to above).	Solid Brass	Clear Lacquer	**RF509BR**			
Adjustable floor box; 3 inch deep; three (3) ½ inch knockouts: one on bottom; one on each side; non-metallic sheathed cable clamps on each side.				Steel	—	**RF500**
Hinged Door Cover Only Replacement door for RF515, RF509 and RF506 series.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Solid Brass Stainless Finish Almond Black Chestnut Brown Paint	**RF507BR** **RF507SS** **RF507AL** **RF507BK** **RF507BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF507BP** **RF507CH** **RF507CU** **RF507NI**

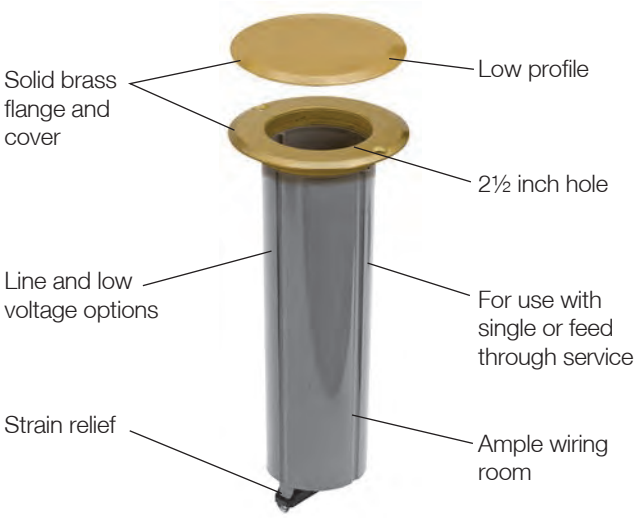
Features

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

- Solid brass covers
- Cut out template provided to assure proper sub-flooring preparation

Drop-In Floor Box

Drop-In Floor Boxes are perfect for quick and easy installation of power or low voltage. Simply cut a hole between the floor and joists and drop through. The flange lip holds it in place.



RF151R

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

Floor Boxes for Wood Floors

Description	Material	Catalog Number	Catalog Number
Drop In Floor Box Mounts in 2½ inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/data video ports. Suitable for feed through circuitry. Impact resistant box.	Solid Brass	**RF151R**	**RF201R**
Duplex Receptacle Floor Box Rated Includes steel box, duplex TR receptacle and cover.	Solid Brass	**RF6500BR**	—
Single Receptacle Floor Box Rated Includes steel box, single receptacle and cover.	Solid Brass	**RF151TR**	—
Single Receptacle Display Rated Receptacle and cover only, excludes box.	Solid Brass	**RF151DTR**	—

Note: See page Tech-10 for Tamper-Resistant description.

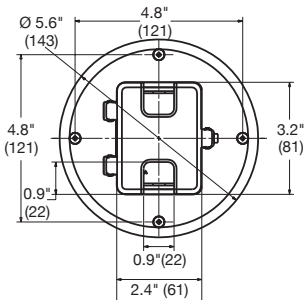
RF6500BR

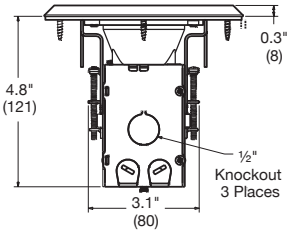
RF151

RF151D

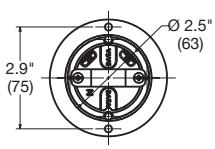
Dimensions

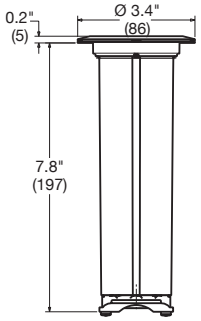
Wood Floor Boxes





Drop-In Floor Box





Dimensions in Inches (mm)

Floor Boxes for Concrete Floors

Power Delivery

Residential Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed E92074.

Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed

Pre-assembled flange, cover and leveling ring for quick installation

Available surface mount or flush fit

Recessed receptacle minimizes plug protrusion, allowing furniture to be located over the plug

Cut box after pour for height adjustment

Apply PVC glue to the leveling ring and simply push into place, hold and wait 10 seconds, automatically levels the cover to the floor

RF406BK
with **RF400**

Parallel PVC hubs for 1 inch and ¾ inch conduit

Features

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour
- Recessed GFCI/Decorator opening
- Self height and leveling ring, no adjustments
- TR receptacle included
- UL Listed E92074 Floor Box

RF406BK

Floor Boxes for Concrete Floors

Description	Rating	Material/Color	Catalog Number
Flange and Hinged Door Cover Assembly Includes duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation.	15A 125V NEMA 5-15R	Solid Brass Almond Black Gray Chestnut Brown	**RF406BR** **RF406AL** **RF406BK** **RF406GY** **RF406BN**
Flush fit cover for hardwood and tile floors (similar to above).		Solid Brass	**RF409BR**
PVC Floor Box with Concrete Protective Cover Accepts ¾ in. and 1.0 in. schedule 40 and schedule 80 PVC conduit. Includes round box (47/8 in. diameter x 6.0 in. deep), four reducers, closure plugs, and concrete cover with locator flag.		Gray	**RF400**
Hinged Nylon Replacement Door Cover Includes neoprene gasket to seal plug openings. Replacement cover for RF406 series.		Solid Brass Almond Black	**RF407BR** **RF407AL** **RF407BK**
Low Voltage Divider For use in PVC box RF400, when JLOAD® Multimedia Outlet is used.		Gray	**RF408**

RF409BR

RF400

RF408

JLOAD® Multimedia Outlet

15A 125V NEMA 5-15R UL/CSA — 20A 125V NEMA 5-20R UL/CSA

Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD® Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**

Note: See page Tech-10 for Tamper-Resistant description.

RJ650BK

Under Cabinet/Counter Power Distribution

Power Delivery

Features

These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

- Available with nylon or metal cover
- Custom configurable, accepts any decorator style device
- Mounting hardware included
- UL Listed E31999 and CSA Certified under cabinet boxes

RU100W

RU200SS

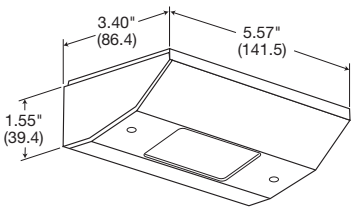
Under Cabinet/Counter Power Distribution

Description	Material	Catalog Number
Slim Box	Stainless Steel	**RU100SS**
	White Metal	**RU100W**
	White Nylon	**RU170W***
GFCI Fit Box	Stainless Steel	**RU200SS**
	White Metal	**RU200W**
	White Nylon	**RU270W***

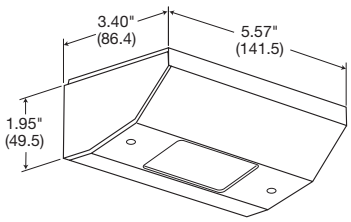
*Note: *Steel box with nylon cover.*

Dimensions

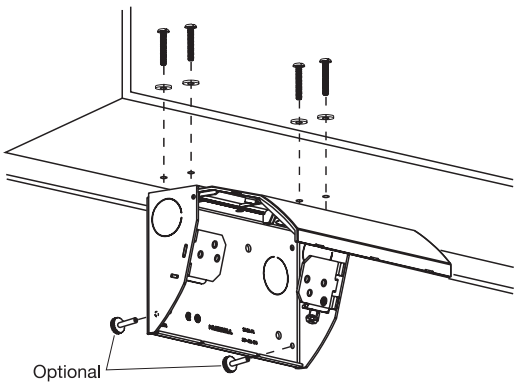
Slim Box



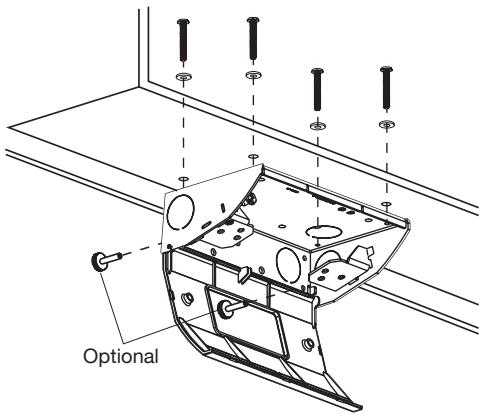
GFCI Fit Box



Vertical Mount



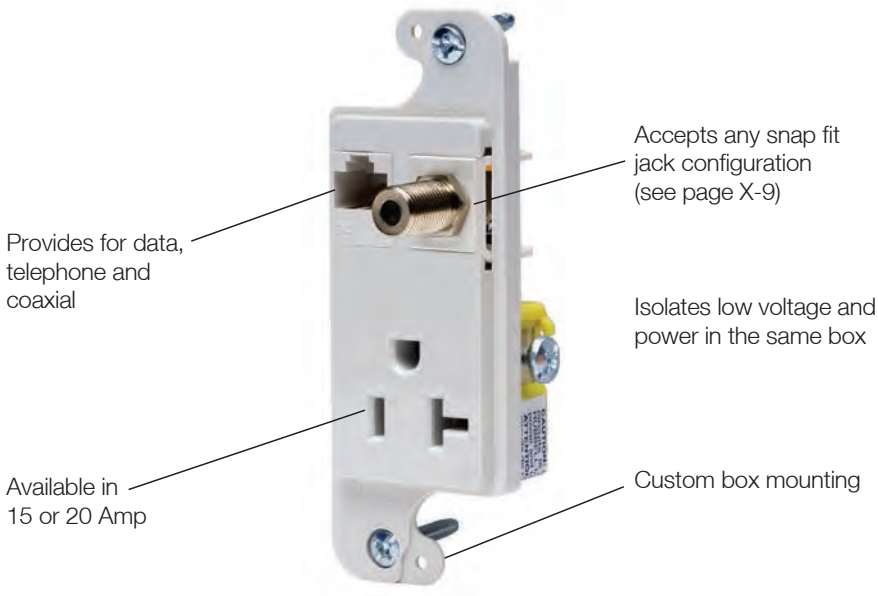
Horizontal Mount



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Make the Most of a Perfect Location

Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.



RJ620W

Note: Requires unique box shown below.

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

Special Use Products

Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD® Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD® Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**
JLOAD® Multimedia Box 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**

Note: See page Tech-10 for Tamper-Resistant description.

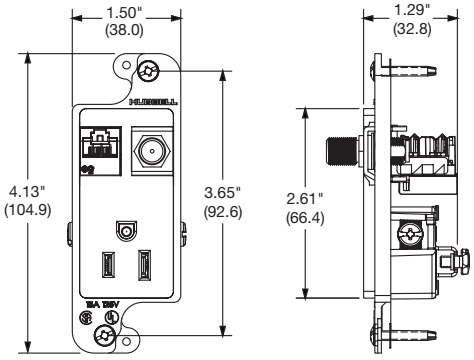
RJ620W

RJ62W

Dividers

RJ600

Dimensions



Dimensions in Inches (mm)

Features

- Smooth, quiet rocker action
- Self-grounding feature standard
- Ultrasonically welded cover and base provides maximum strength
- Push, back and side wiring
- Available colors: Black, Brown, Gray, Ivory, Light Almond and White

RSD115W

Specifications

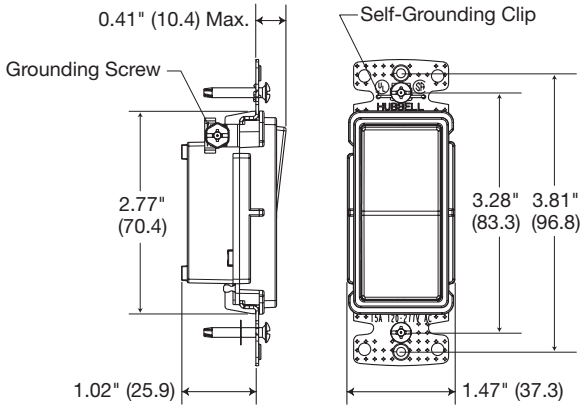
Switches	Component	Material
Typical Specification — Catalog Number RSD115xx	Base and body	PVC
Description — Decorator series rocker switch	Rocker	Polycarbonate
Type — Single Pole	Terminals	Brass
Rating — 15A, 120-277V AC	Mounting strap	Galvanized steel
Certification — Listed to UL Standard 20	Contacts	Silver alloy
CSA Certified	Movable contact arm	Copper alloy
	Terminal screws	Steel

Note: **xx** = *Color:* ***BK*** *(Black),* ***Blank*** *(Brown),* ***GY*** *(Gray),* ***I*** *(Ivory),* ***LA*** *(Light Almond), and* ***W*** *(White).*

Performance

Electrical	
Dielectric voltage	Withstands 1,500V AC minimum for 1 minute.
Max. working voltage	120V.
Overload	1.5 times rating.
Endurance	30,000 cycles minimum.
Mechanical	
Terminal accommodation	Back and side wire: #14 AWG min. - #12 AWG max. solid and stranded copper wire only; push wire: #14 AWG solid copper wire only.
Environmental	
Flammability	UL V0.
Operating temperatures	Maximum continuous 60°C; minimum -20°C (without impact).

Dimensions



Single-Pole Decorator Switch

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30 Amp Cable Set

50 Amp Cable Set

100 Amp Cable Sets and Devices

Twist-Lock® Devices

Ship-to-Shore Selection Chart - Boatside

30A 125V AC 2 Pole 3 Wire Pages Y-7 to Y-11	 HBL303NM	 HBL303SS	 HBL26CM13	 HBL60CM33 HBL60CM33W
50A 125V AC 2 Pole 3 Wire Pages Y-12, Y-13, Y-16	 HBL503NM	 HBL503SS	 HBL63CM60	 HBL77CM15 HBL77CM15W
50A 125/250V AC 3 Pole 4 Wire Pages Y-14 to Y-16	 HBL504NM	 HBL504SS	 HBL63CM64	 HBL77CM15 HBL77CM15W
100A 125/250V AC 3 Pole 4 Wire Pages Y-17 to Y-19		 M4100B12R	 M4100C12R	
100A 3ØY 4 Pole 5 Wire Pages Y-17, Y-20, Y-21 **120/208V AC 277/480V AC**		 M5100B9R M5100B7R	 M5100C9R M5100C7R	
200A 600V AC/250V DC 50-400 Hertz 4 Pole 5 Wire Pages Y-22, Y-23		 M5200BS1R	 M5200CS1R	
Portable Telephone Cable TV Devices Pages Y-30, Y-31	 HBLPHTVNM	 HBLPHTVSS	 HBLTVSS	 PH6624	 PH7440

Ship-to-Shore Selection Chart - Dockside

YC310250 - 280' (85.3m) Yellow cable only.
WC310280 - 280' (85.3m) White cable only.

HBL61CM08 & HBL61CM08LED - 50' (15.2m)
HBL61CM05 & HBL61CM05LED - 35' (10.7m)
HBL61CM03 & HBL61CM03LED - 25' (7.6m)
HBL61CM08W & HBL61CM08WLED - 50' (15.2m)
HBL61CM03W & HBL61CM03WLED - 25' (7.6m)

HBL60CM31
HBL60CM31W

HBL26CM11

HBL26CM10

HBL74CM25WOA
HBL74CM25WOAW

YC306250 - 250' (76.2m) Yellow cable only.

HBL61CM53 & HBL61CM53LED - 50' (15.2m)
HBL61CM53W & HBL61CM53WLED - 50' (15.2m)
HBL61CM43 & HBL61CM43LED - 25' (7.6m)

HBL77CM16
HBL77CM16W

HBL63CM61

HBL63CM70

HBL77CM74WO

YC406250 - 250' (76.2m) Yellow cable only.

HBL61CM52 & HBL61CM52LED - 50' (15.2m)
HBL61CM42 & HBL61CM42LED - 25' (7.6m)
HBL61CM52W & HBL61CM52WLED - 50' (15.2m)
HBL61CM42W & HBL61CM42WLED - 25' (7.6m)

HBL77CM16
HBL77CM16W

HBL63CM65

HBL63CM69

HBL77CM74WO

CS1004 - 100' (30.4m) 4-Wire
CS754 - 75' (22.8m) 4-Wire
CS100IT4 - 100' (30.4m) 3-Wire
CS754IT4 - 75' (22.8m) 3-Wire

CW125IT4 - 125' (38.0m) One-ended cable set for winches.
CW100IT4 - 100' (30.4m) One-ended cable set for winches.
CW754 - 75' (22.8m) One-ended cable set for winches.
CS50EXT4 - 50' (15.2m) Extension cord.

M4100P12

M4100C12

M4100R12

CS100IT5 - 100' (30.4m) 4-Wire
CS75IT5 - 75' (22.8m) 4-Wire

CW125IT5 - 125' (38.0m) One-ended cable set for winches.
CW100IT5 - 100' (30.4m) One-ended cable set for winches.
CS50EXT5 - 50' (15.2m) Extension cord.

M5100P9
M5100P7

M5100C9
M5100C7

M5100R9
M5100R7

M5200PS1

M5200CS1

M5200RS1

PH6630 - 250' (76.2m) Yellow cable only.
PH6599 - 50' (15.2m)
PH6598 - 25' (7.6m)
PH6599W - 50' (15.2m)
PH6598W - 25' (7.6m)

75 Ohm TV Cable.
TV99 - 50' (15.2m)
TV98 - 25' (7.6m)
TV99W - 50' (15.2m)
TV98W - 25' (7.6m)

PH7440

PH6625

PH6596

TV97

PH6597TV

ABYC Code Requirements

Hubbell Marine Electrical continues its tradition of innovation by developing a simple, flexible method of adapting a variety of ELCI Sensors and Breakers to our traditional Stainless Steel and Non-Metallic Shore Power Inlet Housings.

Effective July 31, 2012, ABYC, E-11.11.1. requires that “An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional over current protection as required by E-11.10.2.8.3, whichever is closer to the shore power connection".

Hubbell’s family of ELCI adaptive Shore Power Inlet Kits provide a simple, flexible, low-cost solution.

Kits Contain:

- Hubbell Shore Power Inlet
- Matching Shore Power Inlet Housing(s)
- Mounting Adapter Plate(s) for use with various ELCI Sensors and ELCI Breakers (not provided)
- Stainless Steel Hardware

An Equipment Leakage Circuit Interrupter (ELCI) provides 30mA ground fault protection for the entire AC shore power system beyond the ELCI

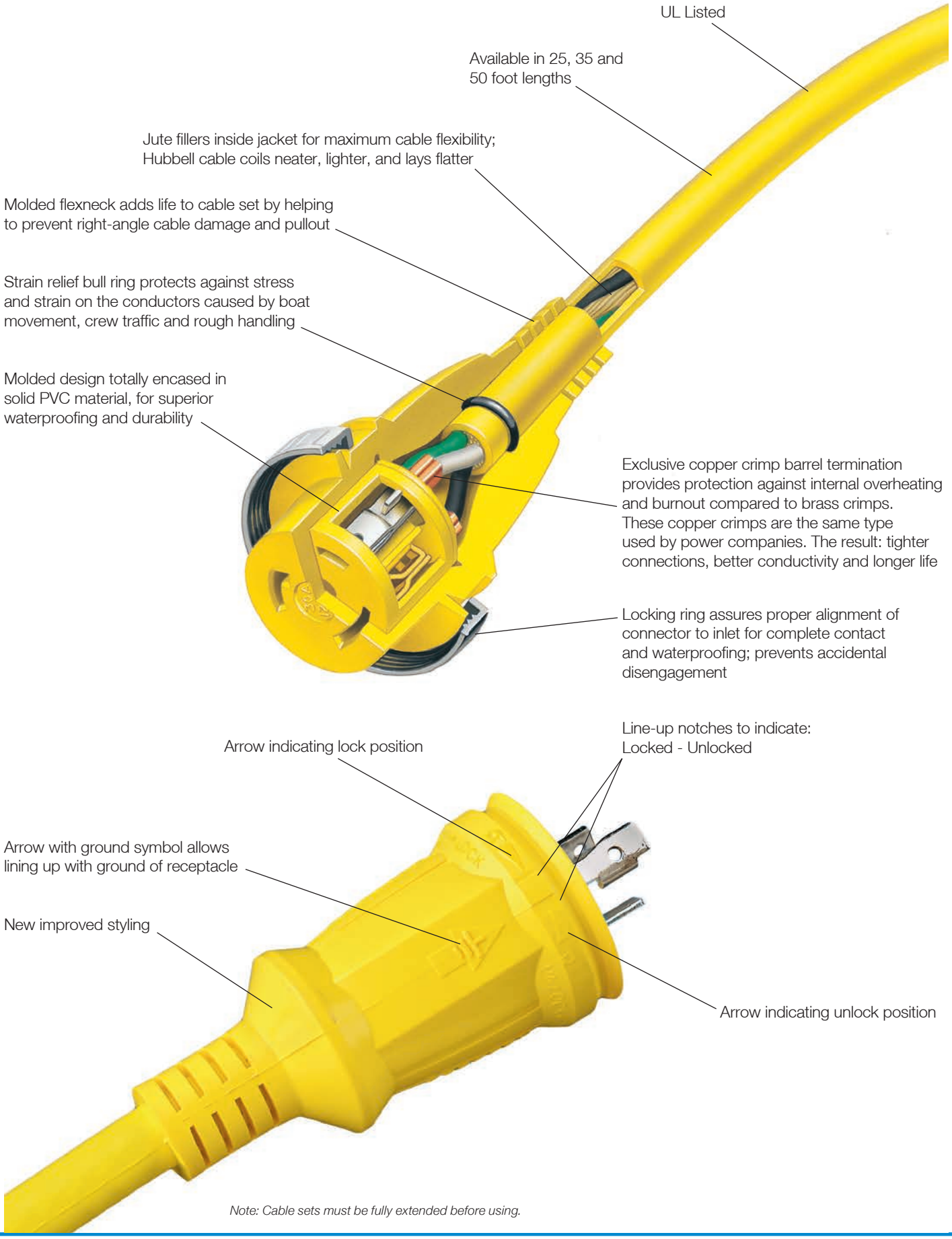
Hubbell ELCI Adapter Kits for North Shore Safety, Ltd® PGFM Series (ELCI Marine) Sensing Module and Sensata Technologies® ELCI Breakers

Description	Breaker	Sensor	Power Inlet	Catalog Number
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (2) Non-Metallic Inlet Housings, Adapter Plates and Hardware.				**HBL303NMELCI**
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (1) Non-Metallic Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				**HBL303NMELCIS**
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				**HBL303SSELCI**
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (1) Stainless Steel Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				**HBL303SSELCIS**
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				**HBL504SSELCI**
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housing that adapts to a standard overcurrent-type circuit breaker.				**HBL504SSELCIH**
Blank Non-Metallic Inlet Housing and Hardware for mounting North Shore Safety ELCI Sensor only.				**HBLRRELCI**

Note: North Shore Safety's Sensor and Sensata Technologies Circuit Breakers (not provided) are separate devices each requiring their own blank shore power inlet interface.

30 Ampere, 125 Volt Cable Set

Features and Benefits



Note: Cable sets must be fully extended before using.

Ship-to-Shore Devices

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Ship-to-Shore Devices

Description	Catalog Number
Stylized UV resistant non-metallic shore power inlet has white Centrex cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. IP55 SUITABILITY	**HBL303NM**
Traditional, stainless steel shore power inlet has new easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. IP56 SUITABILITY	**HBL303SS**
Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. IP56 SUITABILITY	**HBLCBISS**
Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. IP55 SUITABILITY	**HBLCBINM**
Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with three screws which are provided.	**SR3050***
Replacement interior for HBL303SS and 60CM61 shore power inlets.	**HBL303INT**
Traditional Stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. IP56 SUITABILITY	**HBL303SSO**
Nickel plated brass adapter plate for mounting 30A traditional style shore power inlets and outlets to FS/FD box.	**HBL60CM75**

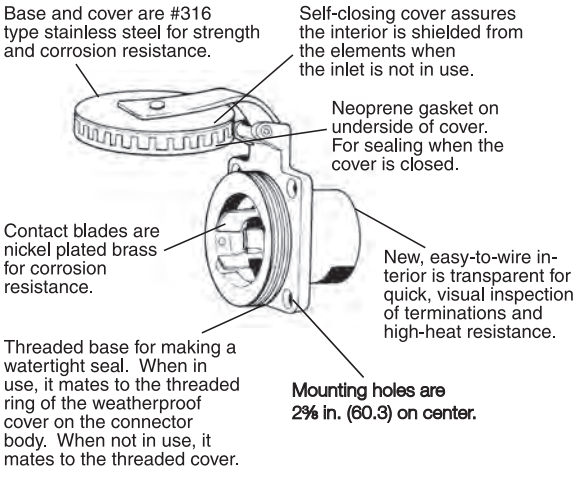
*Note: *Not UL/CSA.*

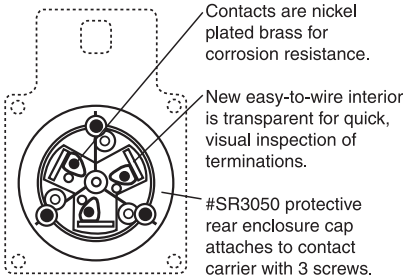
HBL303NM

HBL303SS

HBLCBISS

30A 125V Traditional Stainless Steel Inlets





HBLCBINM

HBL303SSO

30 Ampere, 125 Volt AC Cable Sets and Bulk Cable

2 Pole, 3 Wire

Ship-to-Shore Devices

Our 30A, 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lie flat.

HBL61CM08

YC310250

MARINE c UL US LISTED

(Cable Sets)

IP55 SUITABILITY (Boatside)

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Shore Power Cable Set

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08**
Same as HBL61CM08 except 35 ft. (10.7m) in length.	**HBL61CM05**
Same as HBL61CM08 except 25 ft. (7.6m) in length.	**HBL61CM03**
Same as HBL61CM08 except in white.	**HBL61CM08W**
Same as HBL61CM03 except in white.	**HBL61CM03W**
Yellow 250 ft. (76.2m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 250 ft. (76.2m) lengths only.	**YC310250**
White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only.	**WC310280**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL Listed.	**RPL30P**

30 Ampere, Cable Set with High Intensity LED "Power-On" Indicator

Ship-to-Shore Cable Sets

- Bright, durable, LED (green) indicates "power-on".
- High intensity LED is visible—even in bright sunlight.
- Totally molded design for superior waterproofing and durability.
- Exclusive copper crimp barrel terminations for tighter connections and longer life.

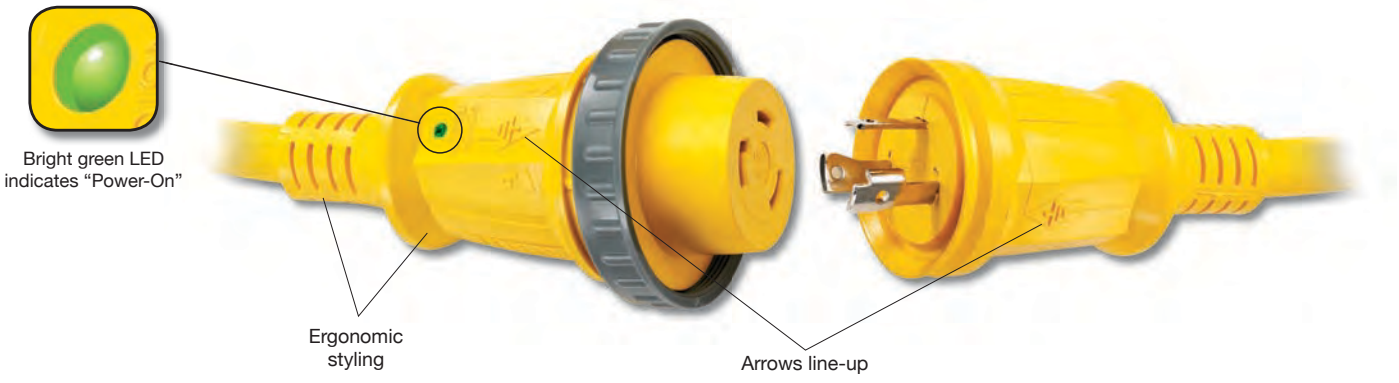
MARINE c UL US LISTED

IP55
SUITABILITY
(Boatside)

30A 125V
NEMA L5-30R
UL/CSA

30A Shore Power Cable Set with LED "Power-On" Indicator

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08LED**
Same as HBL61CM08LED except 35 ft. (10.7m) in length.	**HBL61CM05LED**
Same as HBL61CM08LED except 25 ft. (7.6m) in length.	**HBL61CM03LED**
Same as HBL61CM08LED except in white.	**HBL61CM08WLED**
Same as HBL61CM05LED except in white.	**HBL61CM05WLED**
Same as HBL61CM03LED except in white.	**HBL61CM03WLED**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL Listed.	**RPL30P**



Ship-to-Shore Devices

HBL26CM10

HBL26CM11

HBL60CM31

HBL26CM13

HBL60CM33

HBL60CM32

30A 125V
NEMA L5-30R
UL/CSA

30A 125V Ship-to-Shore Devices

Description	Catalog Number
Yellow single receptacle has Rynite® body and abuse resistant nylon face. IP20 SUITABILITY.	**HBL26CM10**
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	**HBL26CM11**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. IP44 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM31+**
White Seal-Tite cover for weatherproofing HBL26CM11 plugs. IP44 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM31W+**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL26CM13**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. IP56 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM33+**
White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. IP56 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM33W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. IP44 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	**HBL74CM24WO****
Same as HBL74CM24WO except gray in color. IP44 SUITABILITY.	**HBL7424WO****
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	**HBL74CM25WOA****
Same as HBL74CM25WOA except white in color. IP44 SUITABILITY.	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color. IP44 SUITABILITY.	**HBL7425WOA****
Stainless steel wall plate for old 26CM10.	**SS725**
Stainless steel wall plate for new HBL26CM10.	**SS720**

*Note: **See page Y-45 for accessories.*
+Boots are not UL Listed.

Rynite® is a registered trademark of E. I. DuPont.

Ship-to-Shore Devices

30A 125V
NEMA L5-30R
UL/CSA

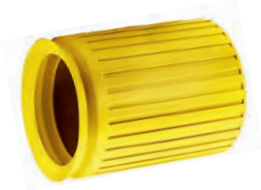
30A 125V Ship-to-Shore Devices

Description	Catalog Number
Yellow Valise® plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). IP20 SUITABILITY.	**HBL26CM11V**
Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). IP20 SUITABILITY.	**HBL26CM11VB**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11V plugs. IP44 SUITABILITY. Note: Fits Valise devices only.	**HBL60CM31V+**
Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). IP20 SUITABILITY.	**HBL26CM13V**
Yellow Seal-Tite cover for HBL26CM13V connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. IP56 SUITABILITY. Note: Fits Valise devices only.	**HBL60CM33V+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13V connector bodies when used on extension cords or adapters. IP44 SUITABILITY. Note: Fits Valise devices only.	**HBL60CM32V+**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed.	**RPL30P**

Note: +Boots are not UL Listed.

HBL26CM11V

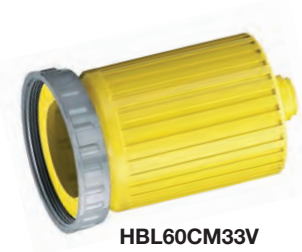
HBL26CM11VB



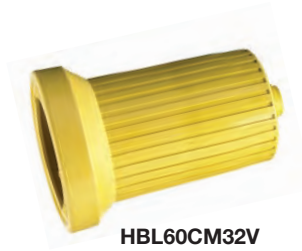
HBL60CM31V

RPL30P

HBL26CM13V

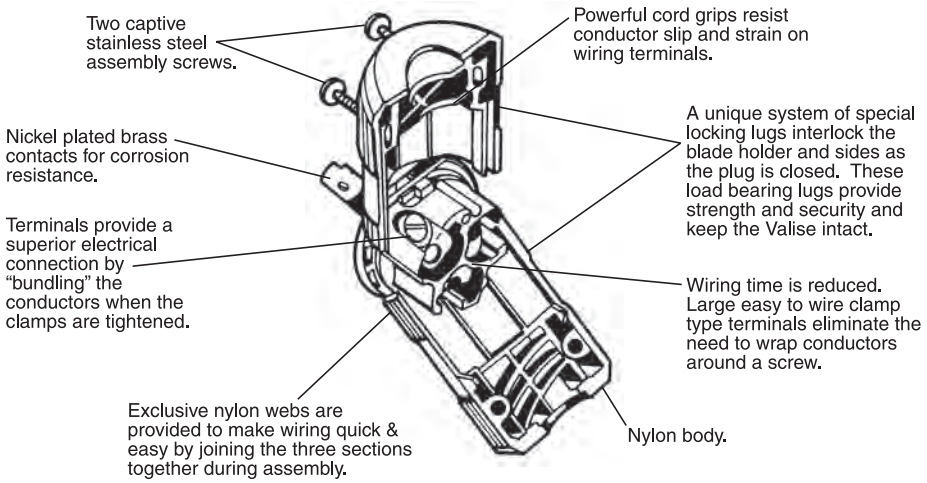


HBL60CM33V



HBL60CM32V

Valise® Plug



Inlets and connectors only.

Ship-to-Shore Devices

HBL503NM

HBL503SS

HBL63CM60

HBL77CM15

HBL77CM17

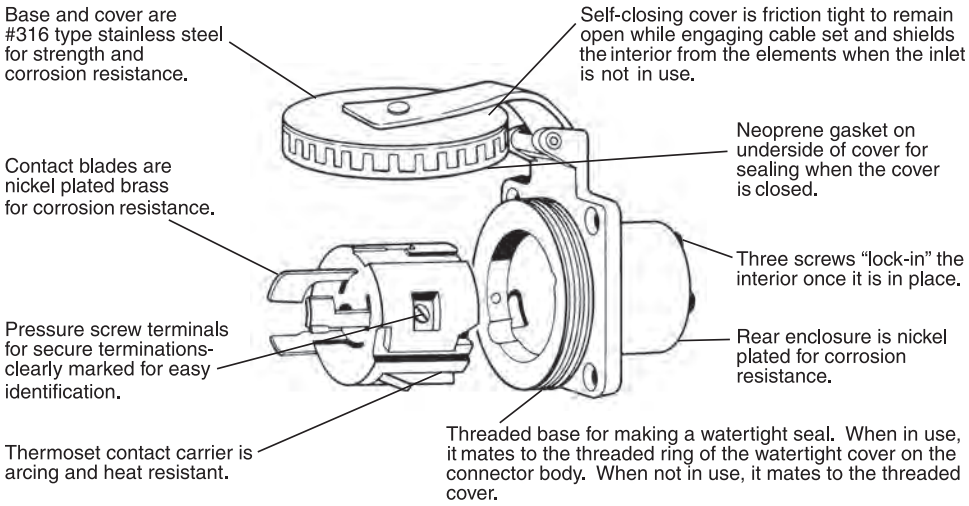
50A 125V

50A 125V Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. IP55 SUITABILITY.	**HBL503NM**
Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers, and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. IP56 SUITABILITY.	**HBL503SS**
Protective rear cover. Fits all inlets except HBL503SS. Secures to back of inlets with three screws which are provided.	**SR3050****
Replacement interior for HBL503SS and 63CM72 shore power inlets.	**CR16277**
Nickel plated brass connector body has heat resistant thermoset interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 SUITABILITY.	**HBL63CM60**
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. IP56 SUITABILITY.	**HBL77CM15+**
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. IP56 SUITABILITY.	**HBL77CM15W+**
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. IP56 SUITABILITY.	**HBL77CM17+**

*Note: **Not UL/CSA.*
+Boots are not UL Listed.

50A Traditional Stainless Steel Inlets



Plugs and receptacles only.

Ship-to-Shore Devices

50A 125V

50A 125V Ship-to-Shore Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #6 AWG type STOW is completely factory pre-wired with molded-on devices. Connector end has threaded metallic sealing ring to make inlet/connector interface watertight. IP54 SUITABILITY (boatside).	**HBL61CM53**
Same as HBL61CM53 except with two high intensity LEDs.	**HBL61CM53LED•**
Same as HBL61CM53 except white.	**HBL61CM53W**
Same as HBL61CM53W except with two high intensity LEDs.	**HBL61CM53WLED•**
Same as HBL61CM53 except 25 ft. (7.6m) in length.	**HBL61CM43**
Same as HBL61CM43 except with two high intensity LEDs.	**HBL61CM43LED•**
Three conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords, and adapters will not mark boat's deck. 250 ft. (75.2m) lengths only.	**YC306250**
Nickel plated brass plug has heat resistant thermoset interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 SUITABILITY.	**HBL63CM61**
Yellow Seal-Tite® cover for weatherproofing 50A plugs. IP55 SUITABILITY.	**HBL77CM16+**
White Seal-Tite cover for weatherproofing 50A plugs. IP55 SUITABILITY.	**HBL77CM16W+**
Single receptacle has a heat-resistant thermoset base. IP20 SUITABILITY.	**HBL63CM70**
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. IP44 SUITABILITY.	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

Note: •See page Y-16 for features and benefits.
+Boots are not UL Listed.

HBL61CM53
HBL61CM53W
HBL61CM43

HBL63CM61

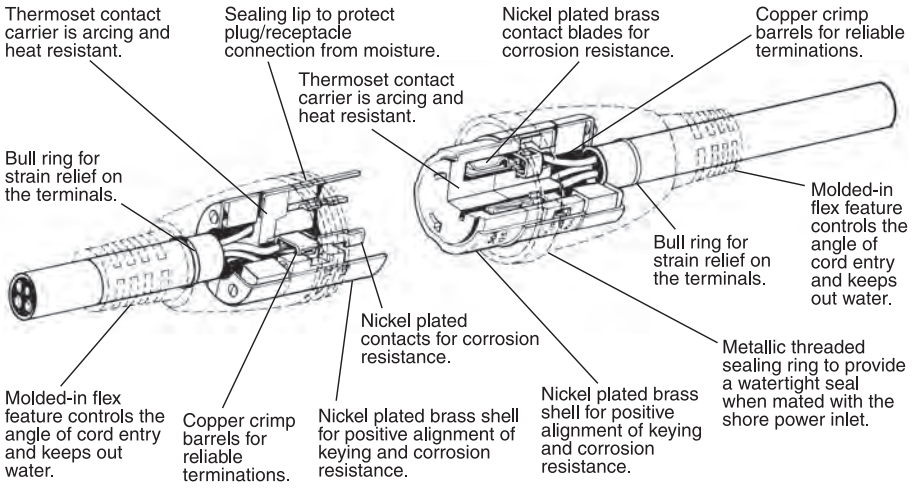
HBL77CM16

HBL63CM70

HBL77CM74WO

SS750

50A Molded Cable Sets



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Ship-to-Shore Devices

50A 125/250V UL/CSA

50A 125/250V Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex cover which makes unit weatherproof when completely closed. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. IP55 SUITABILITY.	**HBL504NM**
Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers, and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. IP56 SUITABILITY.	**HBL504SS**
Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with three screws which are provided.	**SR3050****
Replacement interior for 63CM74 and HBL504SS power inlets.	**CR16279****
Nickel plated brass connector body has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 SUITABILITY.	**HBL63CM64**
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. IP56 SUITABILITY.	**HBL77CM15+**
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. IP56 SUITABILITY.	**HBL77CM15W+**
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. IP55 SUITABILITY.	**HBL77CM17+**

*Note: **Not UL/CSA.*
+Boots are not UL Listed.

HBL504NM

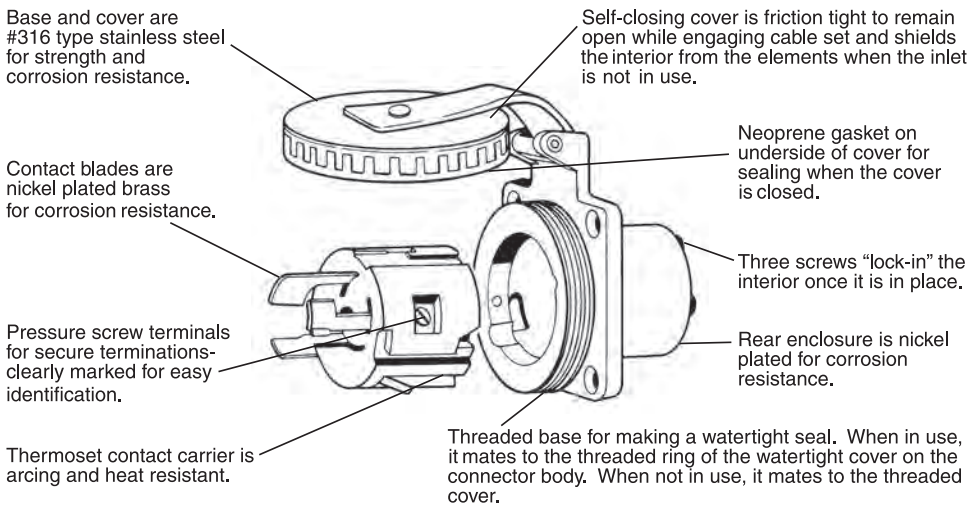
HBL504SS

HBL63CM64

HBL77CM15

HBL77CM17

50A Traditional Stainless Steel Inlets



Plugs and receptacles only.

Ship-to-Shore Devices

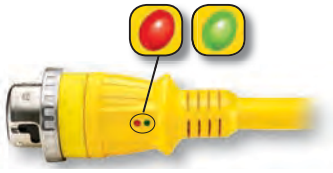
50A 125/250V UL/CSA

50A 125/250V Ship-to-Shore Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. IP56 SUITABILITY (boatside).	**HBL61CM52**
Same as HBL61CM52 except with two high intensity LEDs.	**HBL61CM52LED•**
Same as HBL61CM52 except white.	**HBL61CM52W**
Same as HBL61CM52W except with two high intensity LEDs.	**HBL61CM52WLED•**
Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. IP56 SUITABILITY (boatside).	**HBL61CM42**
Same as HBL61CM42 except with two high intensity LEDs.	**HBL61CM42LED•**
Same as HBL61CM42 except white.	**HBL61CM42W**
Same as HBL61CM42W except with two high intensity LEDs.	**HBL61CM42WLED•**
Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords, and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only.	**YC406250**
Nickel plated brass plug has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 SUITABILITY.	**HBL63CM65**
Yellow Seal-Tite® cover for weatherproofing 50A plugs. IP55 SUITABILITY.	**HBL77CM16+**
White Seal-Tite® cover for weatherproofing 50A plugs. IP55 SUITABILITY.	**HBL77CM16W+**
Single receptacle has a heat resistant thermoset base. IP20 SUITABILITY.	**HBL63CM69**
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. IP44 SUITABILITY.	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

Note: •See page Y-16 for features and benefits.
+Boots are not UL Listed.

HBL61CM52
HBL61CM52W
HBL61CM42
HBL61CM42W



HBL63CM65

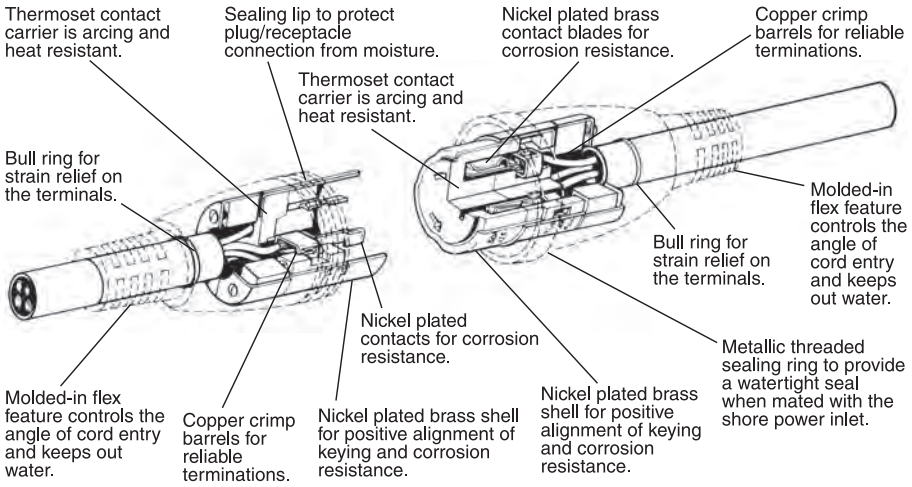
HBL77CM16

HBL63CM69

HBL77CM74WO

SS750

50A Molded Cable Sets



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

50 Ampere, Cable Set with Two High Intensity LEDs: "Power-On" and "Incorrect Wiring" Indicators

Ship-to-Shore Cable Sets

- Two bright, durable, LEDs. GREEN indicates "Power-On" and RED indicates "Incorrect Wiring" at the power source.
- High intensity LEDs are visible—even in bright sunlight.
- Totally molded design for superior waterproofing and durability.
- Exclusive copper crimp barrel terminations for tighter connections and longer life.

MARINE c UL US LISTED

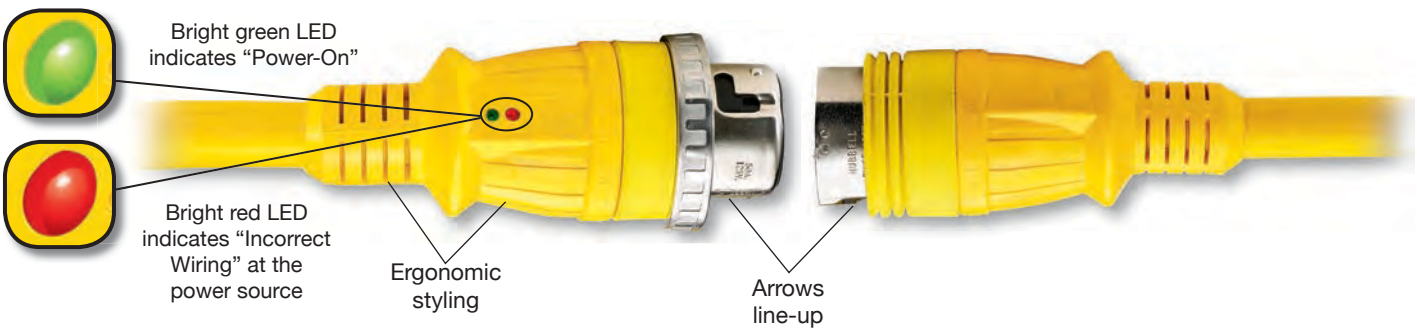
IP56 SUITABILITY (Boatside)

50A 125V

50A 125/250V UL/CSA

50A Shore Power Cable Set with Two LED Indicators

Description	Catalog Number	
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight.	**HBL61CM53LED**	**HBL61CM52LED**
Same as HBL61CM52LED except in white.	**HBL61CM53WLED**	**HBL61CM52WLED**
Same as HBL61CM52LED except 25 ft. (7.6m) in length.	**HBL61CM43LED**	**HBL61CM42LED**
Same as HBL61CM42LED except in white.	—	**HBL61CM42WLED**



100 Ampere, 125/250 Volt and 3ØY 120/208 Volt
Ship-to-Shore Cable Sets

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none.
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council.
- Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements.
- Cable sets manufactured in factory-controlled conditions using specially compounded cable to accommodate a full 100 amp.

Features	Benefits
Factory assembled.	Reliable and consistent terminations.
100 Amp Pin and Sleeve devices	Rugged, watertight, UL listed, ABYC compliant, corrosion resistant
UL Listed cable.	High visibility yellow, STOW cable, 105°C rated, and UL listed.
Breadth of line.	Available in 75, 100, and 125 ft. lengths with and without a neutral. Fifty foot extension cords also available.
100% inspection.	Each cable set is tested to ensure quality performance.

IP56
SUITABILITY

100A Ship-to-Shore Cable Sets

Description	Catalog Number	100A 125/250V AC	100A 3ØY 120/208V AC
Yellow 75 ft. (22.8m) corrosion resistant shore power cable set, 105°C rated, #2 AWG, (no neutral), STOW cable with plug and connector body for use with boats with isolation transformer on board.		**CS75IT4***	**CS75IT5**
Same as above except 100 ft. (30.4m) in length.		**CS100IT4**	**CS100IT5**
Yellow 75 ft. (22.8m) corrosion resistant shore power cable set, 105°C rated, #2 AWG, STOW cable.		**CS754**	**—**
Same as CS754/5 except 100 ft. (30.4m) in length.		**CS1004**	**—**
Yellow 50 ft. (15.2m) corrosion resistant extension cord, 105°C rated, #2 AWG, STOW cable. For mating with existing shore power cable set.		**CS50EXT4**	**CS50EXT5**
Yellow 75 ft. (22.8m) corrosion resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system.		**CW754**	**—**
Yellow 100 ft. (30.4m) corrosion resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, (no neutral) STOW cable with male plug only; for use with boats with isolation transformer on board and a cable winch system.		**CW100IT4**	**CW100IT5**
Same as CW100IT4/5 except 125 ft. (38.0m) in length.		**CW125IT4**	**CW125IT5**
Same as CW100IT4/5 except in white.		**CW100IT4W**	**—**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.
**Also available in white, consult factory.*

CS75IT4

Ship-to-Shore Devices

100A 125/250V Ship-to-Shore Devices

Description	Catalog Number
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. IP56 SUITABILITY.	**M4100B12R**
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. IP56 SUITABILITY.	**M4100C12R**
15° angle cast aluminum back box has corrosion resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). IP57 SUITABILITY.	**BB100N**

M4100B12R

M4100C12R

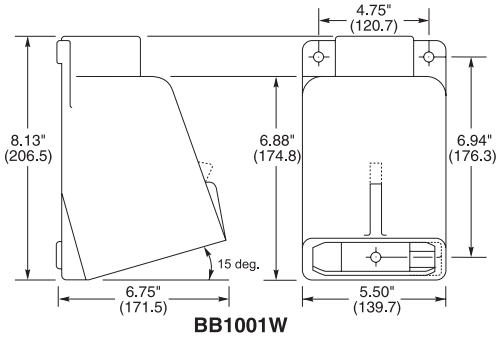
BB1001W
BB1002W

BB100N

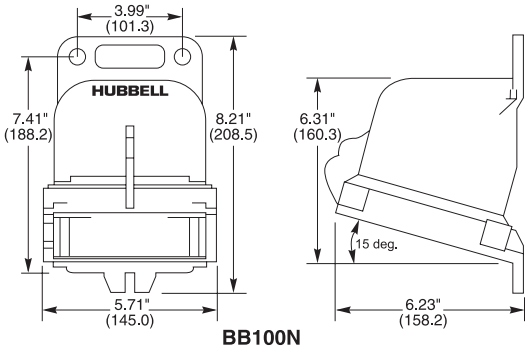
Replacement Parts

Description	Catalog Number
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

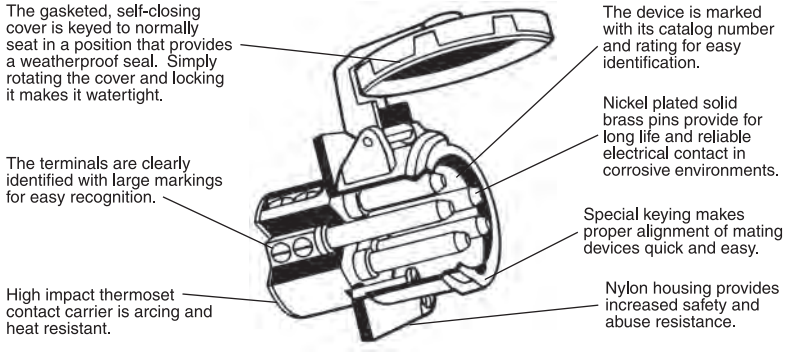


BB1001W
BB1002W



BB100N

Shore Power Inlet



Dimensions in Inches (mm)

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Ship-to-Shore Devices

100A 125/250V Ship-to-Shore Devices

Description	Catalog Number
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). IP56 SUITABILITY.	**M4100P12**
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. IP56 SUITABILITY.	**M4100R12**
Yellow Zytel® super tough nylon watertight connector body for mating plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. IP56 SUITABILITY.	**M4100C12**
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. IP56 SUITABILITY.	**FW60100**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**

M4100P12

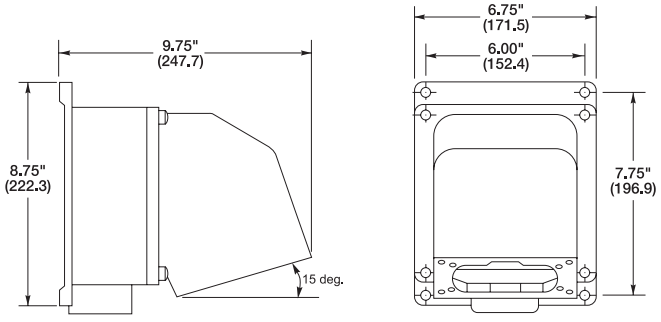
M4100R12

M4100C12

Replacement Parts

Description	Catalog Number
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

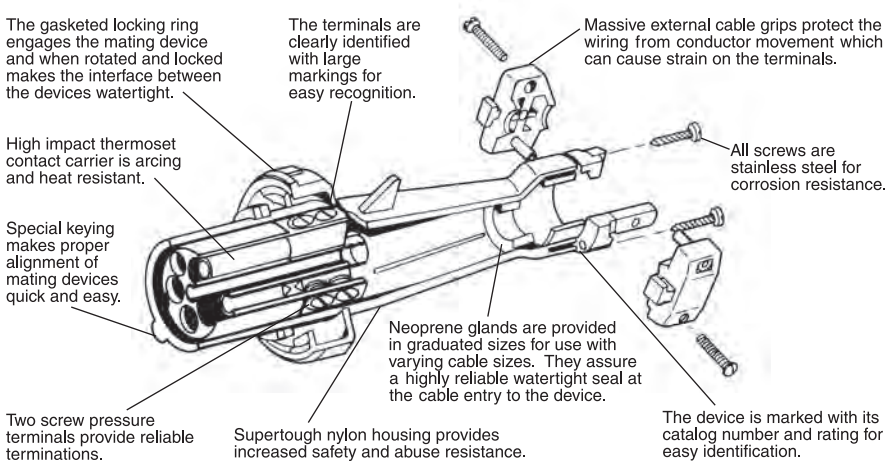
Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.



FW60100

FW60100

100A Connector Body



PC100

CA100

Zytel® is a registered trademark of E.I. DuPont.

Dimensions in Inches (mm)

100 Ampere, 3ØY 120/208 Volt and 3ØY 277/480 Volt

4 Pole, 5 Wire

Ship-to-Shore Devices

M5100B9R

M5100C9R

BB1001W
BB1002W

BB100N

100A 3ØY 120/208V and 100A 3ØY 277/480V

100A 3ØY 120/208V AC

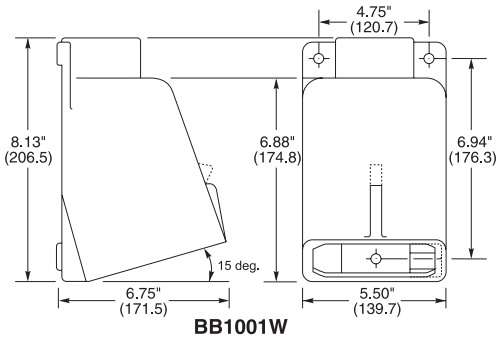
100A 3ØY 277/480V AC

Description	Catalog Number	
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. IP56 SUITABILITY.	**M5100B9R**	**M5100B7R**
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. IP56 SUITABILITY.	**M5100C9R**	**M5100C7R**
15° angle cast aluminum back box has corrosion resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	**BB1001W**	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). IP57 SUITABILITY.	**BB100N**	**BB100N**

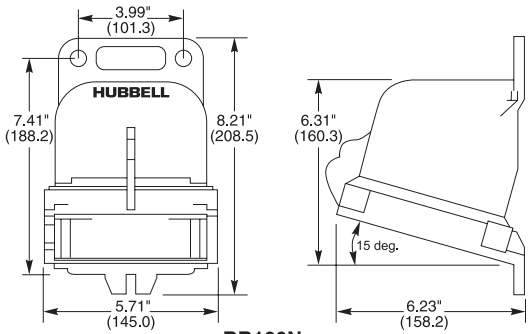
Replacement Parts

Description	Catalog Number	
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**	**CA100**
Replacement locking ring and cord clamp.	**CC100**	**CC100**
Replacement locking ring only.	**LR100**	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

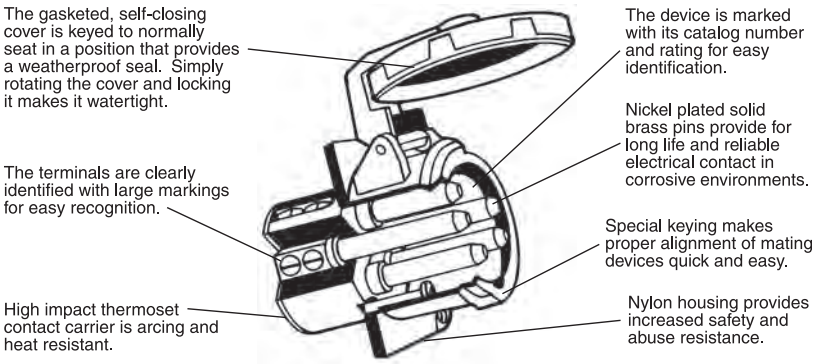


BB1001W
BB1002W



BB100N

Shore Power Inlet



Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Zytel® is a registered trademark of E.I. DuPont.

100 Ampere, 3ØY 120/208 Volt and 3ØY 277/480 Volt

4 Pole, 5 Wire

Ship-to-Shore Devices

100A 3ØY 120/208V and 100A 3ØY 277/480V

Description	100A 3ØY 120/208V AC	100A 3ØY 277/480V AC
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). IP56 SUITABILITY.	**M5100P9**	**M5100P7**
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. IP56 SUITABILITY.	**M5100R9**	**M5100R7**
Yellow Zytel® super tough nylon watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. IP56 SUITABILITY.	**M5100C9**	**M5100C7**
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. IP56 SUITABILITY.	**FW60100**	**FW60100**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**	**PC100**

M5100P9

M5100R9

M5100C9

FW60100

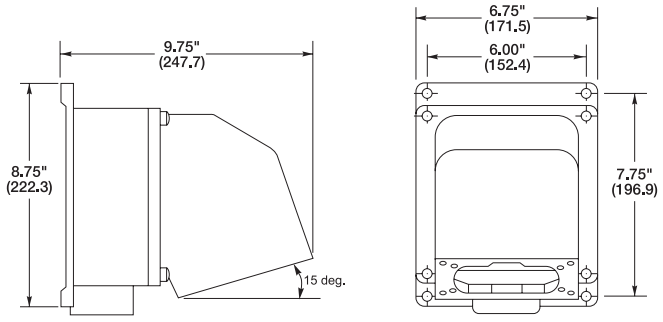
PC100

CA100

Replacement Parts

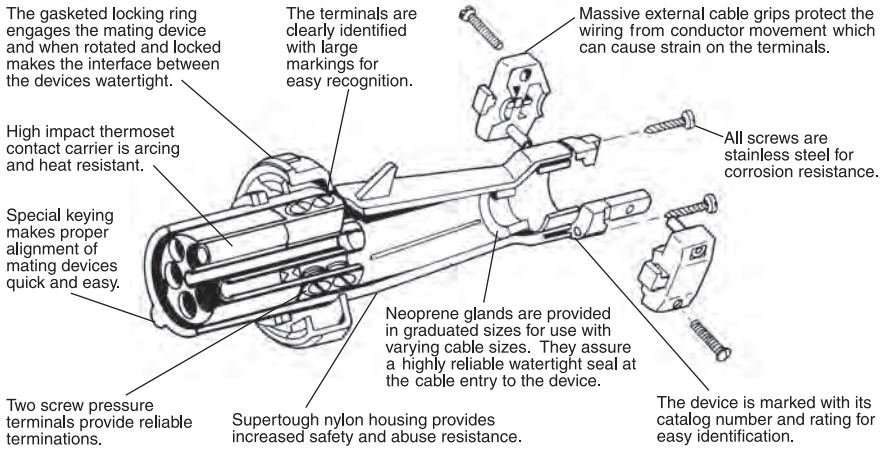
Description	Catalog Number	
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**	**CA100**
Replacement locking ring and cord clamp.	**CC100**	**CC100**
Replacement locking ring only.	**LR100**	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.



FW60100

100A Connector Body



Zytel® is a registered trademark of E.I. DuPont.

Dimensions in Inches (mm)

Ship-to-Shore Devices

Hubbell was the first to offer a UL Listed 100 Amp Marine Ship-To-Shore System… and now, we are the first to offer a UL Listed 200 Amp Marine Ship-To-Shore System.

The only 200 Amp-rated Ship-to-Shore System - built specifically for Mega-Yachts.

- Type 3,4, 4X Rated per UL50 standard for superior water resistance.
- UL Listed and CSA Certified.
- Interchangeable with other "UL1686 Series C1" Listed devices.
- Terminal screws feature swivel/pressure pads to secure, and prevent damage to conductors strands.
- Cable clamp captures cable at four points, provides superior retention.
- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish.
- Accepts a cord range of #1 AWG – 250 MCM.
- Pins and Sleeves are made of nickel-plated Tellurium copper for superior corrosion and heat resistance.

Hubbell 200 Amp devices are listed to UL 1682 and UL Classified for the mating and operation of 200 Amp devices. Mates with Cooper® Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).

200A
600V AC/250V DC

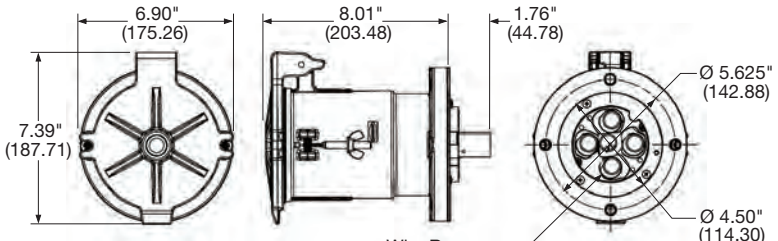
200A 600V Ship-to-Shore Devices

Description	Catalog Number
Gray metallic watertight shore power inlet with wingnut-secured lid for water tightness when not in use.	**M5200BS1R**
Gray/yellow metallic watertight connector body with locking ring to make inlet/connector body interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	**M5200CS1R**

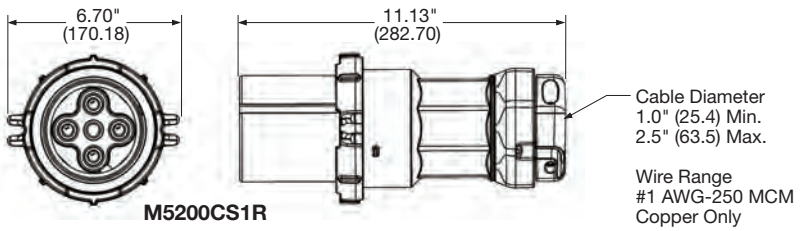
M5200BS1R

M5200CS1R

Dimensions



M5200BS1R



M5200CS1R

Dimensions in Inches (mm)

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Cooper Crouse-Hinds® and Arktite® are registered trademarks of Cooper Industries, Inc

Ship-to-Shore Devices

200A 125/250V Ship-to-Shore Devices

Description	Catalog Number
Gray/yellow metallic watertight plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	**M5200PS1**
Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use.	**M5200RS1**
Gray/yellow metallic watertight connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters.	**M5200CS1**
Gray metallic Back Box for inlets and receptacles has 45° angle section which can be installed in any of 4 positions, 2 in. NPT hub.	**MB2003W**
Gray metallic Back Box – same as above but 2½ in. NPT hub.	**MB2004W**

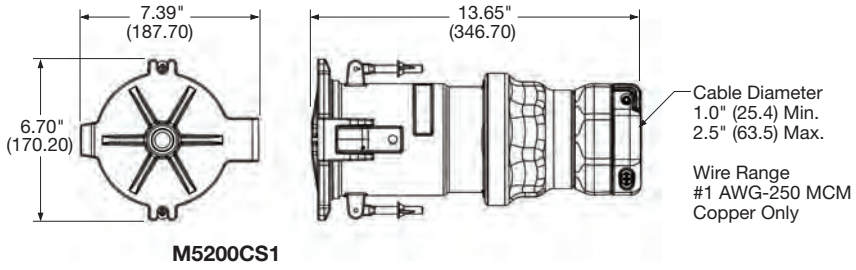
M5200PS1

M5200RS1

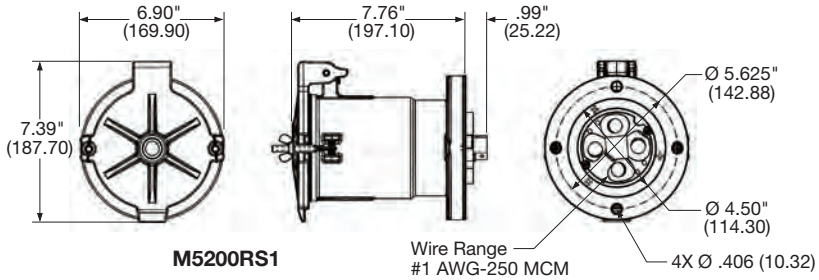
M5200CS1

MB2003W

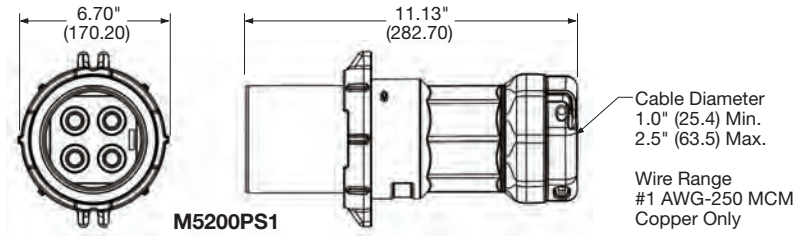
Dimensions



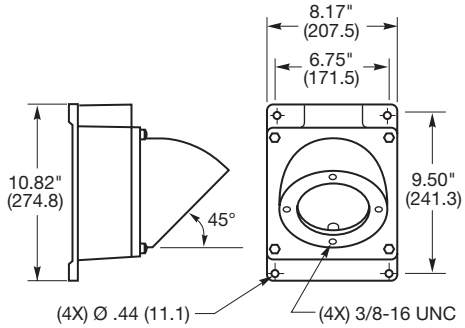
M5200CS1



M5200RS1



M5200PS1



MB2003W

Dimensions in Inches (mm)

Internationally Rated Devices

16, 32, 63 Ampere, 240 Volt

UL Classified to IEC 60309-1 and 60309-2

HBL316NM
HBL332NM

HBL316SSX
HBL332SSX

HBL316CSW25
HBL316CSW
HBL332CSW

HBL316CRCX
HBL332CRCX

HBL60CM33
HBL60CM33W

HBL316R6W

HBL316B6W

HBL316C6W

HBL316P6W

Hubbell offers the only CE certified electrical shore power system truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional 316 stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 Amp 230 Volt system and 32 Amp 230 Volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 Amp and 32 Amp categories.

Twist-Lock® Devices, Ship-To-Shore Power System

Description	16A 230V	32A 230V, 50 Cycle
Non-metallic, white, stylized, UV resistant shore power inlet. White Centrex cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided. IP55 SUITABILITY.	**HBL316NM**	**HBL332NM**
Traditional, stainless steel shore power inlet has new easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. IP56 SUITABILITY.	**HBL316SSX**	**HBL332SSX**
25 ft. (7.6m) white, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut. IP56 SUITABILITY.	**HBL316CSW25**	–
50 ft. (15.2m) white, vinyl jacketed power supply cord with female (boat side) end only; other end blunt cut.	**HBL316CSW**	**HBL332CSW**
Yellow locking connector replacement end for HBL316CSW25 and HBL316CSW. IP20 SUITABILITY.	**HBL316CRCX**	**HBL332CRCX**
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. IP56 SUITABILITY.	**HBL60CM33W**	**HBL60CM33W**
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. IP56 SUITABILITY.	**HBL60CM33**	**HBL60CM33**

Pin and Sleeve Devices, Rated in Either 16A, 32A or 63A, 240V, 2 Pole Plus Earth (⏚)

IP66
SUITABILITY

Description	16A 240V	32A 240V	63A 240V
Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL316B6W**	**HBL332B6W**	**HBL363B6W**
Connector body with cord grip range of .36–.83 in. (9.1-21.1).	**HBL316C6W**	**HBL332C6W**	**HBL363C6W**
Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL316R6W**	**HBL332R6W**	**HBL363R6W**
Plug with cord grip range of .36–.83 in. (9.1-21.1).	**HBL316P6W**	**HBL332P6W**	**HBL363P6W**
Closure plug for HBL316B6W. Not CSA.	**PC320**	**PC3430**	**PC60**
Back box for inlets and receptacles is cast aluminum with corrosion resistant alkyd-based enamel finish and two ¾ in. NPT hubs.	**BB201W**	**BB301W**	**BB601W**
Feed-thru box for inlets and receptacles is cast aluminum with corrosion resistant alkyd-based enamel finish and one ¾ in. NPT hubs.	**FT202W**	–	**FW60100**

Internationally Rated Twist-Lock® Devices

16, 32 Ampere, 230 Volt

Safe Non-Interchangeable Solutions

Hubbell, the only manufacturer of CE certified 16 Amp and 32 Amp, Shore Power Systems dedicated to the International boating community, now offers a 63 Amp Shore Power System.

Hubbell's 63 Amp System is of similar traditional marine styling, but, similar to Hubbell's 16 and 32 Amp systems, are not interchangeable with U.S. Shore Power Systems – offering a safe, stylish 63 Amp system built to the same high quality standards you've come to expect from Hubbell.

63A 230V Ship-To-Shore Power Systems

Description	Catalog Number
Traditional, stainless steel shore power inlet, including higher-quality metal threads, heat-resistant thermoset interior and box lug terminals. IP56 SUITABILITY.	**HBL363SSX**
Nickel plated brass plug with heat-resistant thermoset interior and box lug terminals cord grip range is .44 – 1.14 in. (11.1 - 29.0). IP55 SUITABILITY.	**HBL363CRP**
Nickel plated brass connector body with heat-resistant thermoset interior and box lug terminals. Cord grip range is .44 – 1.14 in. (11.1 - 29.0). IP55 SUITABILITY.	**HBL363CRC**
Single receptacle with heat-resistant thermoset base. IP20 SUITABILITY.	**HBL363CRR**
Yellow Seal-Tite® cover for connector bodies when used with 63A shore power inlets. Stainless steel threaded sealing ring makes connections watertight. IP56 SUITABILITY.	**HBL77CM15**
Same as HBL77CM15 except in white.	**HBL77CM15W**
Yellow Seal-Tite® cover for 63A plugs. IP55 SUITABILITY.	**HBL77CM16**
Same as HBL77CM16 except in white.	**HBL77CM16W**

HBL363SSX

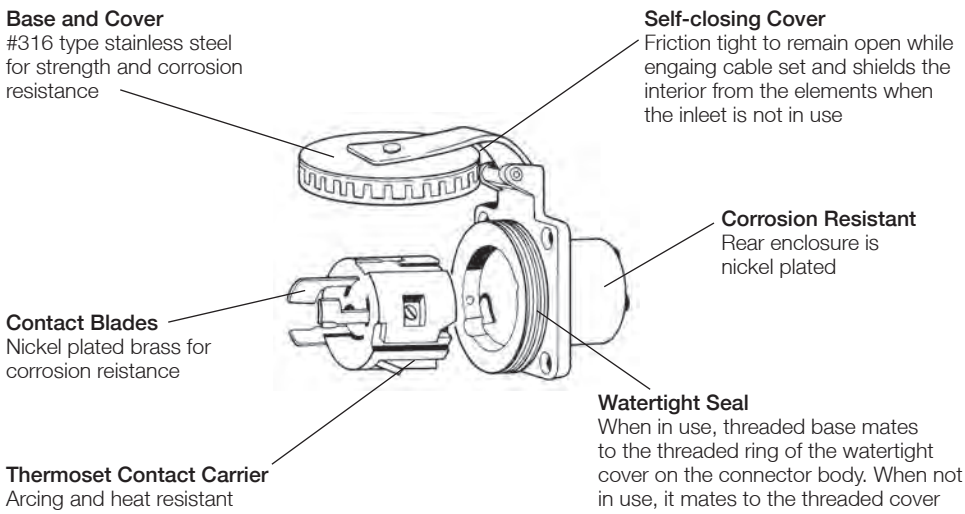
HBL363CRP

HBL363CRC

HBL363CRR

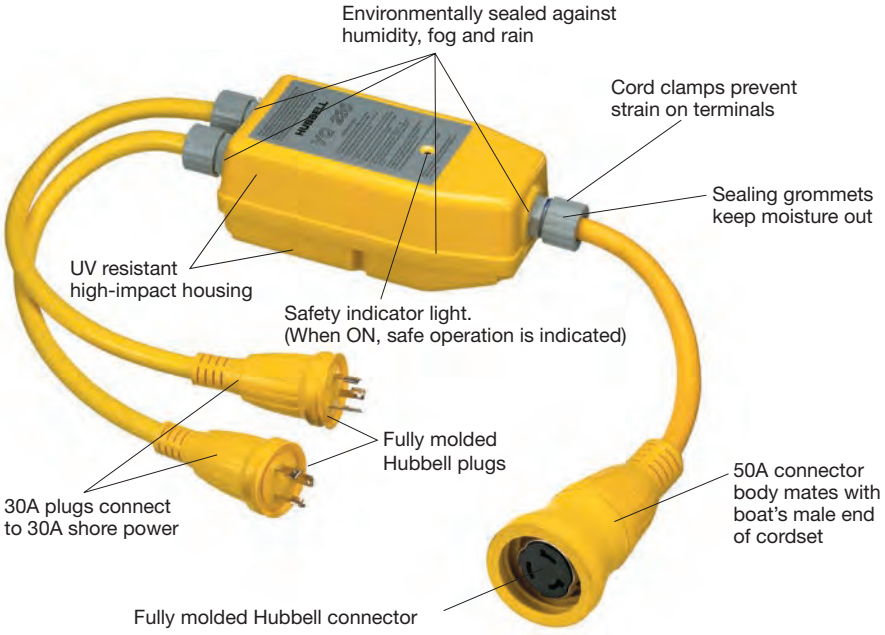
HBL77CM15

63A Internationally Rated Stainless Steel Inlets



Intelligent Y Adapters

YQ230 - Safely powers a 50A, 125/250V AC boat from two 30A, 125V AC receptacles at dockside.



Application

Problem: A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

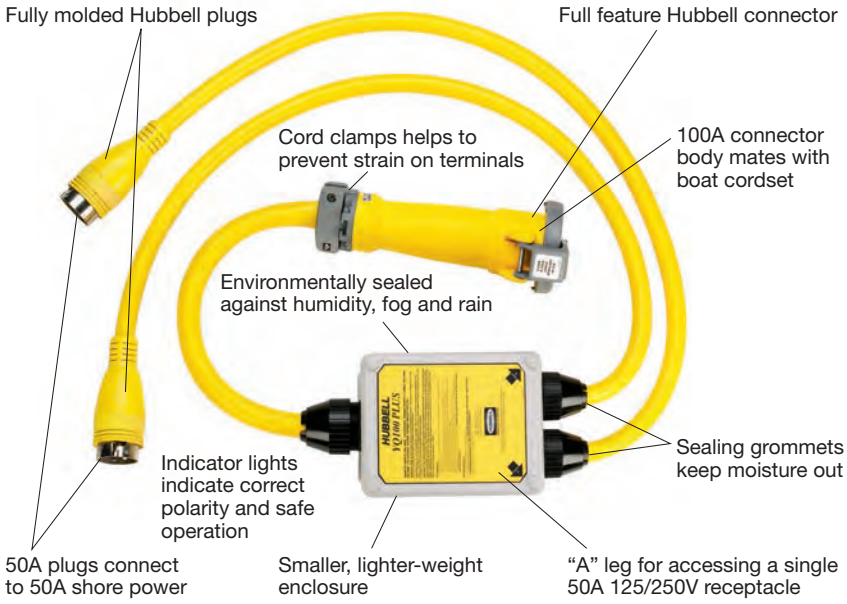
Solution: Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

Features and Benefits

- 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged.
- Combines two oppositely-phased 30A, 125V receptacles to provide 30A,125/250 volts of power.

IMPROVED DESIGN

YQ100PLUS - Safely powers a 100A, 125/250V AC boat from two 50A, 125/250V AC receptacles at dockside -or- from a single 50A, 125/250V AC receptacle acting as a single adapter.



Internal Logic Senses That:

- Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A, 125/250V receptacle.
- The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires).
- The two receptacles are from correct phases.

Intelligent Y Adapters

Description	Catalog Number
Adapter that permits use of 50A, 125/250V AC cable set. (HBL61CM52), with two 30A, 125V AC receptacles, HBL26CM10.	**YQ230**
Adapter that permits use of 100A, 125/250V AC cable set. (CS754, CS1004) with one or two 50A, 125/250V AC receptacles, HBL63CM69.	**YQ100PLUS**

Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.
The YQ100PLUS Adapter must be plugged into two 50A, 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power -or- the "A" leg 50A male into a single 50A, 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.

Adapter Selection Guide

Boat/Cable Set Side Connector Body (Female End)		Molded Straight Adapters		Power Center/Dock Side Plug (Male End)
15A 125V, 2P 3W Straight		**HBL105GF***		30A 125V, 2P 3W Twist-Lock®
30A 125V, 2P 3W Twist-Lock®		**HBL61CM22** **HBL61CM22W**		15A 125V, 2P 3W Straight Blade (lock type)
30A 125V, 2P 3W Twist-Lock		**HBL61CM25**		20A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM54**		15A 125V, 2P 3W Straight Blade
30A 125V, 2P 3W Twist-Lock		**HBL61CM55**		50A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM56**		30A 125V, 2P 3W Twist-Lock
50A 125/250V, 3P 4W Twist-Lock		**HBL61CM59**		50A 125/250V, 3P 4W Crow Foot
30A 125V, 2P 3W Twist-Lock		**HBL61CM71**		50A 125/250V, 3P 4W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM72**		50A 125/250V, 3P 4W Twist-Lock
100A 125/250V, 3P 4W Pin/Sleeve		**HBL61CM100**		50A 125/250V, 3P 4W Twist-Lock
Molded "Y" Adapters				
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM54**		50A 125/250V, 3P 4W Twist-Lock
(2) 50A 125V, 2P 3W Twist-Lock		**HBL64CM55**		50A 125/250V, 3P 4W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM56**		30A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM57**		50A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM59**		50A 125/250V, 3P 4W Crow Foot
One Piece Adapters				
30A 125V, 2P 3W Twist-Lock		**HBL31CM28**		15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL31CM29**		30A 125V, 2P 3W Twist-Lock
20A 125V, 2P 3W Twist-Lock		**HBL21CM28**		15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL21CM29**		20A 125V, 2P 3W Twist-Lock

Note: See pages Y-28 and Y-29 for photographs and descriptions.
**Provides GFCI protection.*

HBL21CM28

HBL21CM29

HBL31CM28

HBL31CM29

HBL61CM22

Molded Straight Adapters

Description	Catalog Number
Permits use of 20A 125V Twist-Lock® locking type plug with 15 or 20A 125V straight blade receptacle. IP20 SUITABILITY.	**HBL21CM28***
Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. IP20 SUITABILITY.	**HBL21CM29***
Permits use of 30A 125V Twist-Lock locking type plug with 30A 125V Twist-Lock locking type receptacle. IP20 SUITABILITY.	**HBL31CM28**
Permits use of 15A or 20A 125V straight blade plug with 15 or 20A 125V straight blade receptacle. IP20 SUITABILITY.	**HBL31CM29**
Permits use of 30A 125V cable set, HBL61CM08, with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set. IP55 SUITABILITY (CONNECTOR).	**HBL61CM22**
Same as HBL61CM22, except white.	**HBL61CM22W**
Permits use of 30A 125V cable set, HBL61CM08, with 20A 125V Twist-Lock receptacle, HBL23CM10. IP55 SUITABILITY (CONNECTOR).	**HBL61CM25**
Permits use of 50A 125V cable set, HBL61CM53, with 15 or 20A 125V straight blade receptacle. IP55 SUITABILITY (CONNECTOR).	**HBL61CM54**
Permits use of 30A 125V cable set, HBL61CM08, with 50A 125V Twist-Lock receptacle, HBL63CM70. IP55 SUITABILITY (CONNECTOR).	**HBL61CM55**
Permits use of 50A 125V cable set, HBL61CM53, with 30A 125V Twist-Lock receptacle, HBL26CM10. IP55 SUITABILITY (CONNECTOR).	**HBL61CM56**
Permits use of 50A 125/250V Twist-Lock locking type cable set, HBL61CM52, with 50A 125/250V crow foot straight blade receptacle HBL7962. IP55 SUITABILITY (CONNECTOR).	**HBL61CM59**
Permits use of 30A 125V cable set, HBL61CM08, with 50A 125/250V Twist-Lock receptacle, HBL63CM69. IP55 SUITABILITY (CONNECTOR).	**HBL61CM71⅄**
Permits use of 50A 125V cable set, HBL61CM53, with 50A 125/250V Twist-Lock receptacle, HBL63CM69. IP55 SUITABILITY (CONNECTOR).	**HBL61CM72⅄**
Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle. IP55 SUITABILITY (CONNECTOR).	**HBL5273L***
Permits a 100A 125/250V cable set to plug into a single 50A 125/250V outlet. IP55 SUITABILITY (CONNECTOR).	**HBL61CM100**
Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection. IP55 SUITABILITY (PLUG).	**HBL105GF**

*Note: *UL Listed.*
⅄ The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely.
Adapters do not provide overcurrent protection.
Adapters do not provide GFCI protection except HBL105GF.

HBL61CM25

HBL61CM59

HBL105GF

HBL61CM54

HBL61CM71⅄

HBL61CM100

HBL61CM55

HBL61CM56

HBL61CM72⅄

Molded Y Adapters

Description	Catalog Number
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69. IP55 SUITABILITY (CONNECTORS).	**HBL64CM54**
Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69. IP55 SUITABILITY (CONNECTORS).	**HBL64CM55**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10. IP55 SUITABILITY (CONNECTORS).	**HBL64CM56**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70. IP55 SUITABILITY (CONNECTORS).	**HBL64CM57**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V crow-foot straight receptacle, HBL7962. IP55 SUITABILITY (CONNECTORS).	**HBL64CM59**

Note: The adapters shown on this page are not UL Listed because of the nature of adapters with their variety of ratings.
Adapters do not provide overcurrent protection.
Adapters do not provide GFCI protection except HBL105GF.

HBL64CM54

HBL64CM55

HBL64CM56

HBL64CM57

HBL64CM59

Ship-to-Shore Devices

HBLPHTVNM

HBLPHTVSS

HBLTVSS

PH6625

PH6624

PH7440

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. IP55 SUITABILITY.	**HBLPHTVNM**
Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. IP56 SUITABILITY.	**HBLPHTVSS**
Same as HBLPHTVSS above except no phone.	**HBLTVSS**
Replacement int. for PH6594TV and HBLPHTVSS series inlets.	**CR16914**
Black locking type plug for telephone cable sets or adapters.	**PH6625**
Black locking type connector body used on telephone cable sets or adapters.	**PH6624**
Yellow Seal-Tite® cover for weatherproofing PH6624 connector body on cable sets when connecting to an inlet and for weather-proofing PH6625 plug. IP20 SUITABILITY.	**PH7440**
Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. IP55 SUITABILITY.	**PH7499**
Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications. IP20 SUITABILITY.	**PH6599**
Same as PH6599 except white.	**PH6599W**
Same as PH6599 except 25 ft. (7.6m) in length.	**PH6598**
Same as PH6598 except white.	**PH6598W**

PH6599
PH6599W
PH6598
PH6598W

Centrex® is a registered trademark of LANXESS Corporation.

Ship-to-Shore Devices

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Black polycarbonate combination telephone/TV outlet with spring-loaded weatherproof lift cover. Can be wired for telephone service only or for telephone and MATV/CATV services in one FS/FD box in both marinas and RV parks. Can be padlocked to prevent unauthorized use. IP44 SUITABILITY	**PH6597TV**
Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes (like PH6619) in both marinas and RV parks. IP20 SUITABILITY.	**TV97**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes (like PH6619) in both marinas and RV parks. IP20 SUITABILITY.	**PH6597**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks. IP20 SUITABILITY.	**PH6596**
Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes. IP20 SUITABILITY.	**PH6595**
Black non-metallic FS box with ¾ in. threaded hubs used for mounting phone and TV outlets and PH6595 recreational vehicle inlet (see PH6621 for mounting box on recreational vehicle). Cord connector included for strain relief and to maintain watertight integrity of box when cable is used. PVC adapter also included for connection of PVC conduit to box.	**PH6619**
Stainless steel bracket for mounting PH6619 FS box to recreational vehicles when used with PH6595 inlet.	**PH6621**
50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat.	**TV99**
Same as TV99 except white.	**TV99W**
Same as TV99 except 25 ft. (7.6m) in length.	**TV98**
Same as TV98 except white.	**TV98W**

PH6597TV

TV97

PH6597

PH6596

PH6595

PH6619

TV99
TV99W
TV98
TV98W

HBL328DCR

Electric Fishing Reel Devices

Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems.

Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 Volt DC and are applicable for all 12, 24 and 32 Volt DC fishing reel systems. The devices are UL listed and CSA certified. All devices are made of high-visibility yellow nylon that is impact resistant and UV stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.

HBL328DCP

Electric Fishing Reel Devices

Description	Catalog Number
Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6080 and used wit HBL74CM25WOA weatherproof plate.	**HBL328DCR**
Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCP**
Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCC**

HBL328DCC

Accessories

Description	Catalog Number
Black phenolic type FD (deep) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 3.25 in. D (115.9 x 74.6 x 82.6) and has 22 cubic inch capacity.	**HBL6080**
Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color.	**HBL74CM25WOA**
Same as HBL74CM25WOAW except white in color.	**HBL74CM25WOAW**
Same as HBL74CM25WOAW except gray in color.	**HBL7425WOA**

HBL6080

HBL74CM25WOA

12 Volt DC Rated Switches

Panel Mount Toggle and Rocker Switches

KEY CHART

M11SP

1. Toggle switch
Fits panels up to ¼ in. thick when not using the back-up nut provided; fits panels up to 3⁄16 in. thick when using the back-up nut. Requires a ½ in. mounting hole.

M11LRGSP

2. Lighted toggle switch
Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.

M11LTR

3. Lighted-tip toggle switch
Red pilot light visible in tip of toggle only. Same panel specs as 1.

MR11SP

4. Rocker switch
Requires a 1½ in. high x ⅞ in. wide rectangular opening.

MR123LRSP

5. Lighted rocker switch
Built-in pilot light for night vision. Same panel specs as 4.

Panel Mount Toggle and Rocker Switches

Description	Typical Applications	Key	Catalog Number
Single pole, single throw On/Off.	Lights, bilge blower, bilge pump(s), accessories	1 2 2 3 4 5	**M11SP** **M11LRSP** **M11LRGSP** **M11LTR** **MR11SP** **MR11LRSP**
Single pole, single throw. On/Off/On.	Horn, starter, winches, gauges		**M11MSP** **M11LTRM** **MR11MSP**
Single pole, double throw. On/Off/On.	Bilge pumps, speed selector, lights, navigation lights		**M123SP** **M123LTR** **MR123SP** **MR123LRSP**
Single pole, double throw. Momentary On/Off/On.	Bilge pumps	1 4	**M123MSP** **MR123MSP**
Single pole, double throw. Momentary On/Off/Momentary On.	Trim Tabs	1 4	**M123MMSP** **MR123MMSP**
Double pole, single throw. On/Off.	Lights, accessories	1 4	**M21SP** **MR21SP**
Double pole, double throw. On/Off/On.	Navigation lights, wipers, dual fuel tanks	1 4 5	**M223SP** **MR223SP** **MR223LRSP**
Double pole, double throw. On/Off/On (with jumper).	Navigation lights, windlass	1	**M223JSP**
Double pole, double throw. Momentary On/Off/Momentary On.	Winches, trim tabs, dual fuel tanks	1 4	**M223MMSP** **MR223MMSP**
Black silicone rubber boot bonded to brass nut.	Provides positive seal against moisture, oil, etc. Fits any non-lighted toggle switch.		**MSB1**
Push-button horn switch with 15⁄32 in. long nickel plated brass mounting stem. Terminals are .25 in. spade.	For remote operation of horn.		**MH11**
Black push-button (horn) boot.	Fits MH11 horn switch.		**MHB11**

M11SP

M123SP

M21SP

M223SP

MSB1

MH11

MHB11

15A 125V
NEMA L5-15R
UL/CSA

15A 125V AC Twist-Lock® Devices

Description	Catalog Number
Yellow duplex receptacle has heat resistant body. IP20 suitability.	**HBL47CM00**
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 suitability.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 suitability.	**HBL47CM20C**
Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. IP44 SUITABILITY.	**HBL60CM23+**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 suitability.	**HBL47CM29C**
Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. IP20 SUITABILITY.	**HBL60CM24+**
Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. IP20 SUITABILITY.	**HBL47CM15**
Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. IP20 SUITABILITY.	**HBL47CM16**
Three conductor, #14 AWG type STW, yellow PVC jacketed portable cord has jute fillers for added flexibility and is ideal for making cable sets, extension cords and adapters as it will not mark the boat's deck. Available in 250 ft. (76.2m) length only.	**YC314250**

Note: +Boots are not UL Listed.

HBL47CM00

HBL52CM21

HBL47CM20C

HBL60CM23

HBL47CM29C

HBL60CM24

HBL47CM15

HBL47CM16

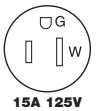
YC314250

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

15 Ampere, 125 Volt AC Straight Blade Devices

2 Pole, 3 Wire

15A 125V AC Straight Blade Devices



15A 125V
NEMA 5-15R
UL/CSA

Description	Catalog Number
Yellow corrosion resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts 15A 125V, 2 pole 3 wire straight blade plugs. IP20 SUITABILITY.	**HBL52CM62**
Same as HBL52CM62 except ivory.	**HBL52CM62I**
Single version of HBL52CM62 duplex yellow receptacle. IP20 SUITABILITY.	**HBL52CM61**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. IP20 suitability.	**HBL52CM66C**
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. IP44 SUITABILITY. Not UL or CSA. Note: For Insulgrip® devices only.	**HBL60CM17+**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. IP20 suitability.	**HBL52CM69C**
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. IP55 SUITABILITY. Not UL or CSA. Note: For Insulgrip devices only.	**HBL60CM18+**
Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). IP20 suitability.	**HBL52CM66V**
Yellow Valise® connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). IP20 suitability.	**HBL52CM69V**
Yellow Insulgrip® plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component. IP20 suitability.	**HBL52CM80C**
Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V, 2 pole 3 wire straight blade connector bodies. IP44 suitability.	**HBL61CM64**
Same as HBL61CM64 except black in color.	**HBL61CM64BK**
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 suitability.	**HBL52CM21**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**

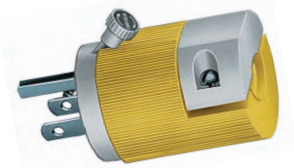
Note: +Boots are not UL Listed.
See page Tech-10 for Weather Resistant descriptions.

HBL74CM23WO

HBL52CM62 **HBL52CM61**

HBL52CM66C

HBL52CM69C



HBL52CM80C

HBL52CM66V

HBL52CM69V

HBL61CM64

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HBL23CM10

HBL74CM25WOA

HBL23CM11

HBL60CM31

HBL23CM13

HBL23CM11V

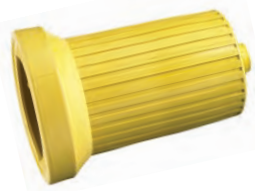
20A 125V
NEMA L5-20R
UL/CSA

20A 125V Twist-Lock® Devices

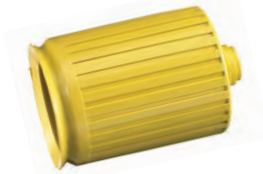
Description	Catalog Number
Yellow single receptacle has Rynite® body and abuse resistant nylon face. IP20 SUITABILITY.	**HBL23CM10**
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	**HBL74CM25WOA**
Same as HBL74CM25WOA except gray in color.	**HBL7425WOA**
Same as HBL74CM25WOA except white in color.	**HBL74CM25WOAW**
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	**HBL23CM11**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. IP44 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM31+**
Same as HBL60CM31 except white in color.	**HBL60CM31W+**
Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	**HBL23CM13**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. IP44 SUITABILITY. Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. IP44 SUITABILITY. Note: Fits Valise® devices only.	**HBL60CM32V+**
Yellow Valise plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). IP20 SUITABILITY.	**HBL23CM11V**
Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. IP44 SUITABILITY. Note: Fits Valise devices only.	**HBL60CM31V+**
Three conductor, #12 AWG type STW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords and adapters as will not mark boat's deck. Available in 250 ft. (76.2m) length only.	**YC312250**

Note: +Boots are not UL Listed.

HBL60CM32



HBL60CM32V



HBL60CM31V

YC312250

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20 Ampere, 125 Volt AC Straight Blade Devices

2 Pole 3 Wire

20A 125V
NEMA 5-20R
UL/CSA

20A 125V AC Straight Blade Devices

Description	Catalog Number
Yellow corrosion resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. IP20 SUITABILITY.	**HBL53CM62**
Single version of HBL53CM62 duplex yellow receptacle. IP20 SUITABILITY.	**HBL53CM61**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	**HBL53CM66C**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. IP20 SUITABILITY.	**HBL53CM69C**
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip® plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. IP44 SUITABILITY. Note: For Insulgrip devices only.	**HBL60CM17+**
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. IP55 SUITABILITY. Note: For Insulgrip devices only.	**HBL60CM18+**
Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. IP55 SUITABILITY.	**HBL60CM19+**
Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. IP44 SUITABILITY.	**HBL61CM65**
Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 SUITABILITY. Not CSA certified.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY. Not CSA certified.	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**

Note: +Boots are not UL Listed.
See page Tech-10 for Weather Resistant descriptions.

HBL53CM62 **HBL53CM61**

HBL53CM66C

HBL53CM69C

HBL52CM66V

HBL60CM17

HBL60CM18
HBL60CM19

HBL52CM69V

HBL52CM21

HBL52CM21W

HBL7423WO

HBL74CM23WO

HBL61CM65

Rynite® is a registered trademark of E. I. DuPont.

Portable Ground Fault Circuit Interrupters and Testers

GFP15M

Portable Ground Fault Circuit Interrupters (GFCIs)

These UL Listed portable GFCIs have been designed to protect people from line-to-ground electrical shock hazards which may develop from faulty appliance, tools or defective portable cords. If a ground fault does occur and the leakage level exceeds 4 to 6 milliamperes, the GFCI unit quickly acts to protect the user by opening the circuit, thus interrupting the power supply and limiting the duration of any electrical current flow. After tripping, the module is reset by pushing a button on its face. A test button allows the user to test that the GFCI is in working order.

Note: GFCI devices will not protect against overloads or short circuits.

GFP315A

Portable Ground Fault Circuit Interrupters and Testers

Description	Catalog Number
This unit is small and compact—measuring only 4.19 in. H x 5.19 in. L x 6.69 in. W (10.6cm x 13.2cm x 17.0cm) and weighing only 3 pounds—yet protects as many as four tools at one time. The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Simply insert the plug on the end of the 6 foot (1.8m) cord into any 60Hz 120V receptacle and then plug the equipment to be used into one of the receptacles on the unit. Incorporates a 20 Amp GFCI module that can be replaced in the field. The module provides not only ground fault protection, but also contains the no voltage release feature.	**GFP15M**
3-outlet plug-in unit. Plugs into boat convenience receptacles to provide ground fault protection.	**GFP315A**
This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V.	**GFT2G***
This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal, and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on pages Y-28 and Y-29.	**HBL5200****

GFT2G

HBL5200

*Note: *Not UL Listed or CSA Certified.*
**Not CSA Certified.*

GFCI Line Cord Devices

Description	Line Cord Length	Catalog Number
Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight. Two different lengths available.	6 ft. (1.8m)	**GFP6C15M**
	25 ft. (7.6m)	**GFP25C15M**

GFP6C15M
GFP25C15M

GFCI Specifications

Rating:	15A 120V 60Hz 2 pole 3 wire straight blade
Trip Level:	4-6 milliamperes
Trip Time:	.025 seconds nominal
Frequency:	60 Hertz nominal
Voltage:	120 volts +10%, -15%
Max Interrupting Capacity:	2,000 amperes
Max Humidity:	95%
UL Class A	

GFCI and Surge Protection Receptacles

Inside the Boat

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection".

Ground Fault Circuit Interrupter (GFCI) Receptacles

These UL Listed receptacles have been designed to protect people from line-to-ground electrical shock hazards which may develop from faulty appliance, tools or defective portable cords. If a ground fault does occur and the leakage level exceeds 4 to 6 milliamperes, the GFCI unit quickly acts to protect the user by opening the circuit, thus interrupting the power supply and limiting the duration of any electrical current flow. After tripping, the receptacle is reset by pushing a button on its face. A test button allows the user to test that the GFCI is in working order.

Note: All Hubbell GFCI receptacles are in compliance with new UL 943 Mandate. GFCI receptacles will not protect against overloads or short circuits. Due to 2006 UL 943 revisions, Hubbell Marine Ground Fault Receptacles now come with an LED that will flash if the receptacle is no longer capable of providing GFCI protection. This can occur due to power surges and/or lightning in the area. The new design will also prevent power going to the face when mis-wired.

GFR5252MWA

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-thru feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit. These devices meet the requirements of The National Electric Code (NEC) and American Boat and Yacht Council Standard and will accept locking fork terminals. Ground Fault Receptacles are also available for OEM applications.

Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.

CWP26CR

Description	Color	Catalog Number
15A 125V brown GFCI duplex receptacle. Nylon wallplate included.	Brown	**GFR5252MA**
	Gray Ivory	**GFR5252MGYA**
	White	**GFR5252MIA**
		GFR5252MWA
PVC weatherproof lift cover for ground fault receptacles (such as GFR5252M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	Gray	**CWP26CR**
	White	**CWP26CRW**

Surge Suppression Receptacle

Surge suppression receptacles 15A 125V AC Nominal. UL Listed at 600V voltage protection level. Suitable for ANSI/IEEE C 62.41-installation categories "A" (outlets and long branch circuits) and "B" (major feeders and short branch circuits). The Hubbell Surge Suppression Receptacle helps protect your electronic equipment from damage caused by transient voltages. The receptacle contains metal oxide varisters which dissipate the electrical energy of voltage spikes without interfering with normal operations.

HBL5262ISA

Description	Color	Catalog Number
duplex surge suppression receptacle with power on indicator light and damage-alert alarm beeper.	Ivory	**HBL5262ISA**

USB Charger Tamper-Resistant Duplex Receptacle

Hubbell's USB Charger Receptacle provides both USB and AC electrical power in a standard single gang electrical opening. Designed to provide more charging options for personal electronics.

Charge Devices Simultaneously!

- Tablets
- Smartphones
- MP3 players
- Apple® iPad®
- Apple® iPod®
- Apple® iPhone®

USB15X2W

Description	Color	Catalog Number
15A 125V AC USB Charger Tamper-Resistant receptacle, Two USB Type 2.0 ports 3 Amp, 5 Volt DC, 15 or 20 Amp, 125 Volt AC decorator duplex	Black	**USB15X2BK**
	Brown	**USB15X2**
	Gray	**USB15X2GY**
	Ivory	**USB15X2I**
	Light Almond	**USB15X2LA**
	White	**USB15X2W**

TR

Note: See page Tech-10 for Tamper-Resistant descriptions.

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Style Line® Decorator Receptacles

- High-impact nylon face resists breaking, chipping and cracking.
- Will accept locking fork terminal to comply with ABYC standards.
- Available in 4 colors for any decor with matching wall plates.
- Smooth, high-gloss finish for rich appearance.

DR15ITR

DR15GRYWRTR

Commercial Style Line® Decorator Series

Description	Color	Standard Duplex	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant
15A 125V duplex receptacle.	Almond	**DR15AL**	**DR15ALTR**	–
	Black	**DR15BLK**	**DR15BLKTR**	**DR15BLKWRTR**
	Brown	**DR15**	**DR15TR**	**DR15WRTR**
	Gray	**DR15GRY**	**DR15GRYTR**	**DR15GRYWRTR**
	Ivory	**DR15I**	**DR15ITR**	**DR15IWRTR**
	Light Almond	**DR15LA**	**DR15LATR**	**DR15LAWRTR**
	White	**DR15WHI**	**DR15WHITR**	**DR15WHIWRTR**

CR15TR

BR15IWRTR

Commercial Series

Description	Color	Standard Duplex, Spec. Grade, Side Wired	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant, Back and Side Wired
15A 125V duplex receptacle.	Almond	**CR15AL**	**CR15ALTR**	–
	Black	**CR15BLK**	**CR15BLKTR**	**BR15BLKWRTR**
	Brown	**CR15**	**CR15TR**	**BR15WRTR**
	Gray	**CR15GRY**	**CR15GRYTR**	**BR15GRYWRTR**
	Ivory	**CR15I**	**CR15ITR**	**BR15IWRTR**
	Light Almond	**CR15LA**	**CR15LATR**	**BR15LAWRTR**
	White	**CR15WHI**	**CR15WHITR**	**BR15WHIWRTR**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.
See page Tech-10 for Tamper and Weather Resistant descriptions.

HBL5251

HBL5361I

Extra Heavy Duty Single Receptacles

Description	Color	Catalog Number
15A 125V single receptacle.	Brown	**HBL5251**
	Ivory	**HBL5251I**
20A 125V single receptacle.	Brown	**HBL5361**
	Ivory	**HBL5361I**

Corrosion Resistant Receptacles

Description	Color	Catalog Number
15A 125V yellow corrosion resistant duplex receptacle. Use where salt or other corrosive elements are a problem.	Yellow	**HBL52CM62**
Same as HBL52CM62 except ivory.	Ivory	**HBL52CM62I**

HBL52CM62I

HBL8200ILI

Special Application Illuminated Receptacle

Description	Color	Catalog Number
Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light.	Ivory	**HBL8200ILI**

Note: See page Tech-10 for Weather Resistant descriptions.

Switches and Weatherproof Switch Plates

15 and 20 Ampere, 120-277V AC

Commercial Series

Description	Toggle Color	Catalog Number
15A single-pole toggle switch for controlling AC load from one point.	Almond	**CS115AL**
	Black	**CS115BK**
	Brown	**CS115**
	Gray	**CS115GY**
	Ivory	**CS115I**
	Light Almond	**CS115LA**
	White	**CS115W**
15A three-way toggle switch for controlling AC load from two points.	Almond	**CS315AL**
	Black	**CS315BK**
	Brown	**CS315**
	Gray	**CS315GY**
	Ivory	**CS315I**
	Light Almond	**CS315LA**
	White	**CS315W**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.

CS115I

HBL1221IL

HBL1221PL

Special Application Series

Description	Catalog Number
20A 120V toggle switch with LED lamp set in ivory handle. Handle illuminates when switch is in “OFF” position.	**HBL1221IL**
20A 120V three-way toggle switch with LED illuminated ivory handle for controlling AC load from two points. Handle illuminates when “OFF”.	**HBL1223IL**
20A 120V single-pole toggle switch with LED lamp set in clear red handle. Handle illuminates when switch is “ON”. Serves as instant reminder that current is flowing to an appliance.	**HBL1221PL**
20A 120V three-way toggle switch with LED for controlling AC load from two points. Red handle illuminates when “ON”.	**HBL1223PL**
Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button.	**HBL1281**
Same as HBL1281 except ivory button.	**HBL1281I**
Three-way PresSwitch® for controlling AC load from two points. Switch activated brown button.	**HBL1283**+
Same as HBL1283 except ivory button.	**HBL1283I**+
Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch® button is activated when bubble is pressed. Not CSA certified.	**HBL17CM50**+
Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA certified.	**HBL1795**

Note: +Not UL Listed.

HBL1281

HBL1283

HBL17CM50

HBL1795

Outlet Box

Description	Catalog Number
Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall. Not CSA.	**HBL6079**

HBL6079

- Nylon plates—virtually unbreakable.
- Rounded corners for stylish look.
- Reinforced ribs for extra strength.
- Screws are factory-inserted for fumble-free installation.

Description		Color	Smooth Nylon Standard	Smooth Nylon Mid-Size	Smooth Metal Material	Smooth Metal Catalog Number
	1-Gang, 1-Toggle	Black Brown Gray Ivory White	**NP1BK** **NP1** **NP1GY** **NP1I** **NP1W**	**NPJ1BK** **NPJ1** **NPJ1GY** **NPJ1I** **NPJ1W**	Brass Stainless Steel	**SB1** **SS1**
	1-Gang, 1-Duplex	Black Brown Gray Ivory White	**NP8BK** **NP8** **NP8GY** **NP8I** **NP8W**	**NPJ8BK** **NPJ8** **NPJ8GY** **NPJ8I** **NPJ8W**	Brass Stainless Steel	**SB8** **SS8**
	1-Gang, 1-Decorator	Black Brown Gray Ivory White	**NP26BK** **NP26** **NP26GY** **NP26I** **NP26W**	**NPJ26BK** **NPJ26** **NPJ26GY** **NPJ26I** **NPJ26W**	Brass Stainless Steel	**SB26** **SS26**
	2-Gang, 2-Toggle	Black Brown Gray Ivory White	**NP2BK** **NP2** **NP2GY** **NP2I** **NP2W**	**NPJ2BK** **NPJ2** **NPJ2GY** **NPJ2I** **NPJ2W**	Brass Stainless Steel	**SB2** **SS2**
	2-Gang, 2-Duplex	Black Brown Gray Ivory White	**NP82BK** **NP82** **NP82GY** **NP82I** **NP82W**	**NPJ82BK** **NPJ82** **NPJ82GY** **NPJ82I** **NPJ82W**	Brass Stainless Steel	**SB82** **SS82**
	2-Gang, 2-Decorator	Black Brown Gray Ivory White	**NP262BK** **NP262** **NP262GY** **NP262I** **NP262W**	**NPJ262BK** **NPJ262** **NPJ262GY** **NPJ262I** **NPJ262W**	Brass Stainless Steel	**SB262** **SS262**
	2-Gang, 1-Toggle, 1-Duplex	Black Brown Gray Ivory White	**NP18BK** **NP18** **NP18GY** **NP18I** **NP18W**	**NPJ18BK** **NPJ18** **NPJ18GY** **NPJ18I** **NPJ18W**	Brass Stainless Steel	**SB18** **SS18**
	2-Gang, 1-Toggle, 1-Decorator	Black Brown Gray Ivory White	**NP126BK** **NP126** **NP126GY** **NP126I** **NP126W**	**NPJ126BK** **NPJ126** **NPJ126GY** **NPJ126I** **NPJ126W**	Brass Stainless Steel	**SB126** **SS126**
	1-Gang, 1-Single 1.40" Dia. Hole	Black Brown Gray Ivory White	**NP7BK** **NP7** **NP7GY** **NP7I** **NP7W**	**NPJ7BK** **NPJ7** **NPJ7GY** **NPJ7I** **NPJ7W**	Brass Stainless Steel	**SB7** **SS7**
	1-Gang, 1-Blank, Box Mount	Black Brown Gray Ivory White	**NP13BK** **NP13** **NP13GY** **NP13I** **NP13W**	**NPJ13BK** **NPJ13** **NPJ13GY** **NPJ13I** **NPJ13W**	Brass Stainless Steel	**SB13** **SS13**

Hubbell Now Offers The Ability To Put 2 or 3 Communication Devices In a Single, Style Line® Plate

Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.

2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

Color	No. of Ports	Connection Type	Catalog Number
Ivory	2	USOC, F-Type	**NS783I**
White	2	USOC, F-Type	**NS783W**

NS783I

Style Line® Frames, 2 Port and 3 Port Unloaded

Color	No. of Ports	Connection Type	Catalog Number
Black	2	–	**NS612BK**
Gray	2	–	**NS612GY**
Ivory	2	–	**NS612I**
White	2	–	**NS612W**
Black	3	–	**NS613BK**
Gray	3	–	**NS613GY**
Ivory	3	–	**NS613I**
White	3	–	**NS613W**

NS612I

NS613I

Category 6 Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ6BK**
Gray	T568A/T568B	8-Positions	**NSJ6GY**
Ivory	T568A/T568B	8-Positions	**NSJ6I**
White	T568A/T568B	8-Positions	**NSJ6W**

NSJ6W

Category 5e Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ5EBK**
Gray	T568A/T568B	8-Positions	**NSJ5EGY**
Ivory	T568A/T568B	8-Positions	**NSJ5EI**
White	T568A/T568B	8-Positions	**NSJ5EW**

NSJ5EW

USOC Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	USOC	6-Positions	**NSJUBK**
Gray	USOC	6-Positions	**NSJUGY**
Ivory	USOC	6-Positions	**NSJUI**
White	USOC	6-Positions	**NSJUW**

NSJUW

F-Type Connector Keystone

Color	Catalog Number
Black	**SFFGBK**
Gray	**SFFGGY**
Ivory	**SFFGEI**
White	**SFFGW**

SFFGEI

c UL us LISTED
Enclosures only.

IP66
SUITABILITY

RW57300

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 3.5" x 2.8" (147.3 x 88.9 x 71.1)	**RW57300**

RW57350

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, extra deep, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 3.5" x 4.8" (147.3 x 88.9 x 121.9)	**RW57350**

1-Gang Weatherproof Covers for Horizontal Mounting

RW57400

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	4.0" x 5.2" x 2.8" (101.6 x 132.1 x 71.1)	**RW57400**

RW57750

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 5.3" x 2.8" (147.3 x 134.6 x 71.1)	**RW57750**

RW57900

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, duplex, GFCI, toggle and single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 5.3" x 4.8" (147.3 x 134.6 x 121.9)	**RW57900**

RW57950

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, single receptacles, diameter 1.34", 1.40", 1.60", 1.72", 2.03" and 2.15"	5.8" x 5.3" x 4.8" (147.3 x 134.6 x 121.9)	**RW57950**

Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets NEC 406.8 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.

NEC® is a registered trademark of the The National Electrical Code.
NEMA® is a registered trademark of The National Electrical Manufacturers Association.

Marine Grade Weatherproof Plates

Description	Catalog Number
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 suitability.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 suitability.	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**
Yellow Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 suitability.	**HBL74CM24WO**
Same as HBL74CM24WO except gray in color.	**HBL7424WO**
Yellow Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 suitability.	**HBL74CM25WOA**
Same as HBL74CM25WOA except white in color.	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color.	**HBL7425WOA**
Yellow Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 suitability.	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color.	**HBL7774WO**

HBL52CM21

HBL74CM23WO

HBL77CM74WO

Commercial Grade Weatherproof Plates

Available in a host of configurations—Twist-Lock® and straight blade receptacles in single or duplex as well as switches—these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

Description	Catalog Number
Gray PVC weatherproof lift cover for toggle switches (such as CS115).For vertical mounting in standard or FS/FD type boxes.	**CWP1CR**
Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes.	**CWP8CR**
Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	**CWP26CR**
Same as CWP26CR except white in color.	**CWP26CRW**

CWP1CR

CWP8CR

CWP26CR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBL6080

HBL60CM83

HBL60CM84

Marine Grade Dockside Boxes and Covers

Description	Catalog Number
Black phenolic type FD (deep) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 3.25 in. D (115.9H x 74.6W x 82.6D) and has 22 cubic inch capacity.	**HBL6080**
Yellow fiberglass type FD (deep) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 3.25 in. D (115.9H x 74.6W x 82.6D) and has 22 cubic inch capacity.	**HBL60CM83**
Yellow fiberglass type FD box same as HBL60CM83 - except has two 1.0 inch (25.4) I.P.S. molded-in knockouts.	**HBL60CM84**
Black phenolic type FS (shallow) weatherproof box has two ¾ in. (19.1) I.P.S. molded-in knockouts. 4.56 in. H x 2.94 in. W x 2.19 in. D (115.9H x 74.6W x 55.6D) and has 16 cubic inch capacity.	**HBL6080OS**
Black non-metallic FS box with ¾ in. threaded hubs used for mounting phone and TV outlets and PH6595 recreational vehicle inlet (see PH6621 for mounting box on recreational vehicle). Cord connector included for strain relief and to maintain watertight integrity of box when cable is used. PVC adapter also included for connection of PVC conduit to box.	**PH6619**
Black phenolic junction box with four ¾ in. (19.1) I.P.S. molded-in knock-outs. Has 4.13 in. (104.8) diameter and is 1.88 in. (47.6) deep.	**HBL6081**
Phenolic blank cover, ¼ in. (6.4) thick, for HBL6081 box.	**HBL6082**
Black phenolic blank cover plate for HBL6080OS.	**HBL6087**
Yellow Valox® blank cover plate for use with FS and FD type boxes.	**HBL60CM88**

HBL6080OS

HBL6087

HBL60CM88

PH6619

HBL6081

HBL6082

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Non-Metallic Vapor-tight Incandescent Fixtures

These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

- UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements.
- Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures.
- High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal.
- Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing.
- High strength protective globe guard helps prevent accidental globe and lamp breakage.
- Accommodates Type A incandescent lamps up to 150 watts.
- UL 1598 Standard for luminaries.
- UL 1598A Marine type luminaries.

Lighting and Lighting Fixtures

Description	Catalog Number
Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVX15GHGA**
Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVA15GHGA**
Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture.	**NVBA**
Replacement guard to NVX15GHGA and NVA15GHGA.	**NVGA**
Heat resistant replacement globe for NVX15GHGA and NVA15GHGA. Made of tempered glass.	**VCGP100**

NVX15GHGA

NVA15GHGA

NVBA

Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

Description	Catalog Number
A gray male PVC adapter with ¾ in. NPT pipe thread for adapting PVC conduit to FS and FD boxes with ¾ in. NPT hub (HBL6080, HBL6080OS, HBL60CM83). Not UL Listed.	**HBL6085**
Straight nylon cord connector, ½ in. NPT hub size, diameter range .25–.38 in. (6.4–9.5).	**HBL10CM22S**
Straight nylon cord connector, ½ in. NPT hub size, diameter range .38–.50 in. (9.5–12.7).	**HBL10CM23S**
Straight nylon cord connector, ¾ in. NPT hub size, diameter range .38–.50 in. (9.5–12.7).	**HBL10CM35S**
Straight nylon cord connector, ¾ in. NPT hub size, diameter range .50–.63 in. (12.7–15.9).	**HBL10CM36S**
Straight nylon cord connector, ¾" NPT hub size, diameter range .63–.75 in. (15.9-19.1).	**HBL10CM37S**
Straight nylon cord connector, 1.0 in. NPT hub size, diameter range .63–.75 in. (15.9-19.1).	**HBL10CM41S**

VCGP100

HBL6085

HBL10CM22S

Codes and Specifications

ABYC Standard, July 2012, E-11 Excerpts.

11.4 DEFINITIONS – For the purposes of this standard, the following definitions apply.

11.4.11 Equipment Leakage Circuit Interrupter (ELCI) - A residual current device which detects equipment ground fault leakage current and disconnects all ungrounded (110V and 240V) and grounded (110V neutral) current carrying conductors from the supply source at a preset trip threshold.

11.4.14 Ground fault circuit interrupter (GFCI) - A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

11.4.33 Watertight - Constructed so that water will not enter the enclosure under the test conditions specified in NEMA Standard 250, Type 6P or IEC Standard 60529 Type IP67.

11.4.34 Weatherproof - Constructed or protected so that exposure to the weather will not interfere with successful operation under the test conditions specified in NEMA Standard 250, Type 3 or IEC Standard 60529 Type IP54.

11.11 GROUND FAULT PROTECTION — AC SYSTEMS

11.11.1 An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

11.11.1.1 Trip level shall be a maximum of 30mA. The trip time shall be a maximum of 100ms.

11.11.1.4 The ELCI shall be readily accessible.

Note: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.

11.11.5 GFCI receptacle devices shall meet the requirements of Underwriters Laboratories' standard UL 943, Ground Fault Circuit Interrupters, and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.

Note: GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. (See E-11.13.3.5)

11.12 SWITCHES

11.12.1.1 Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load, and shall be rated for the type of load, i.e., inductive or resistive.

11.12.3.1 Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

11.13 PLUGS AND RECEPTACLES

11.13.1.1 Receptacles shall be installed in locations not normally subject to rain, spray, or flooding but if receptacles are used in such areas the following shall apply:

11.13.1.1.1 Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof when not in use.

Note: Weatherproofing may be provided by means such as spring-loaded, self-closing, or snap type receptacle covers.

11.13.1.1.2 Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

11.13.1.3 Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.

11.13.3.1 Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Non-metallic Outlet Boxes, Flush Device Boxes And Covers.

11.13.3.2 Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 12, Figure 13 and Figure 14 of ABYC E-11.

11.13.3.3 Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductor(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y, and Z or L1, L2, and L3.

11.13.3.4 A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply permanently connected loads in excess of the following:

11.13.3.4.1 600 watts for a 15 ampere circuit.

11.13.3.4.2 1000 watts for a 20 ampere circuit.

11.13.3.5 If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 5 milliamperes) Ground Fault Circuit Interrupter (GFCI). (See E-11.11.)

Note: GFCI receptacle devices are not necessarily ignition protected per E-11.5.3.1.

11.6.3.1 SHORE POWER SUPPLY

11.6.3.1.1 Power Inlet - The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.

11.6.3.1.1.1 Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.

11.6.3.1.1.2 Power inlets installed in areas subject to flooding or momentary submersion shall be watertight whether or not in use.

11.6.3.1.1.3 Metallic power inlets installed on metallic or carbon fiber reinforced boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On non-metallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.

11.6.3.1.2 Shore Power Cable – On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.

11.6.3.1.2.1 Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. (See Figure 13 and Figure 14 of ABYC E-11).

11.6.3.1.2.2 The shore power cable shall be flexible cord with the minimum properties of Type SOW, STW, STOW, SEOW, or STOOW, and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with Article 555 of the National Electrical Code. (See Figure 13 and Table VII-A of ABYC E-11).

EXCEPTION: Pin and sleeve devices in accordance with Figure 14 of ABYC E-11.

Section Z
Other Wiring Products

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Adapters, Starters and Receptacle Circuit Tester

Lockout Devices

Lampholders

Taps, Adapters, Plugs and Connectors

HBL2274

Nylon Convenience Adapters

NEMA Configuration

Catalog Number	HBL2270	HBL2271	HBL2128	HBL2274	HBL2129	HBL31CM29*
Male Blade End	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA L5-15P	20A 125V NEMA L5-20P	30A 125V NEMA L5-30P
Female Slot End	20A 125V NEMA 5-20R	15A 125V NEMA L5-15R	20A 125V NEMA L5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R

*Note: *Not UL Listed.*

CAUTION: *Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use.*

(1) Remember that overcurrent protection is determined by the blade end.
(2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating.
(3) Adapters do not provide GFCI, overcurrent or short circuit protection.

HBL5273L

HBL5289

Plug In Adapters

Description	Catalog Number
Male end - 2 wire parallel polarized blades, 15A, 125V. Female end - 3 wire 15A, 125V straight slot grounding.	**HBL5273L**
Male end - 3 wire crow foot 15A, 125V blades. Female end - 3 wire 15A, 125V straight slot grounding.	**HBL5289♦***
Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock® blades. Female end - 3 wire 15A, 125V straight slot grounding.	**9053A♦***
Male end - 3 wire 15A, 125V straight blade grounding. Female end - 10A, 250V, 15A 125V Twist-Lock® slots.	**9054A♦***

Note: ♦Must always be used with a grounded receptacle.
**Not UL Listed.*

9053A

9054A

Fluorescent Starters

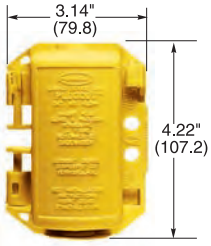
Neostart	Lamps	Catalog Number
The Hubbell Neostart is a glow discharge type of starter which combines fast starting speed with rugged, dependable operation. The Neostart lights the lamp very rapidly and insures proper lamp operation throughout rated life. Because of its rugged construction, it can be depended upon to withstand continued punishment resulting from lamp failure. In addition, it operates satisfactorily over a wide temperature range. In dual lamp circuits, the Neostart lights both lamps quickly and uniformly.	14, 15 and 20 watt lamps	**FS2**
	13, 30 and 40 watt lamps	**FS4**
	4, 6 and 8 watt lamps	**FS5**
	22 watt circle line, 25 watt standard lamps	**FS25**

FS4

PLUGOUT®, Keyed PLUGOUT® and SWITCHOUT® Lockout Devices

Description	Typical Devices Accommodated	Catalog Number
Small yellow lockout device.	15 and 20A straight blade plugs. 15A Twist-Lock® plugs.	**HLDMP**
Medium yellow lockout device.	15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock® plugs.	**HLD**
Large yellow lockout device.	20, 30 and 60A metallic and non-metallic Pin and Sleeve, Hubbellock® and 50A Twist-Lock® plugs.	**HLD2**
Yellow SWITCHOUT device.	Toggle switch.	**HSLDPK2***
Yellow lockout kit.	One each of above lockout devices.	**HLDKIT**
Yellow keyed PLUGOUT, keyed differently.	15 and 20A, 125V straight blade plugs with holes in blades.	**HKLD**
Yellow keyed PLUGOUT, keyed alike.	15 and 20A, 125V straight blade plugs with holes in blades.	**HKLDPK2***

Note: See page Z-4 for specifications.
**Two devices per package.*



HLDMP

HLD

Receptacle Circuit Tester

Description	Catalog Number
Receptacle circuit tester.	**HBL5200**

HSLDPK2

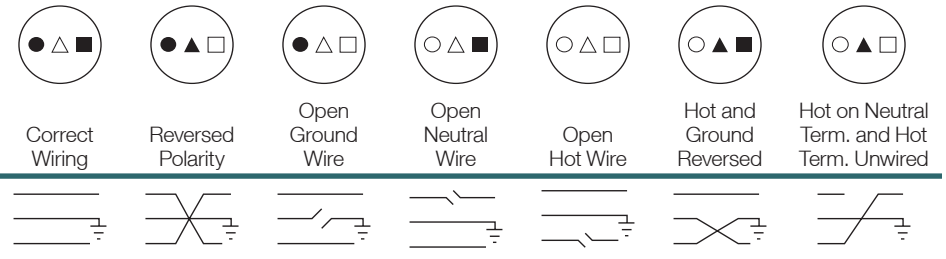
How It Operates

The Hubbell HBL5200 Receptacle Circuit Tester has a simple arrangement of neon lights which visually indicate and identify various fault conditions in electrical circuits (see chart below). By plugging the HBL5200 Tester into a single phase, 125V, 2 pole, 3 wire outlet the combination of lighted and/or unlighted lamps will immediately indicate circuit condition.

Features

- UL Listed.
- Large, easy to read symbols.
- Recessed indicating lamps with one piece Polycarbonate lens.
- Tough impact resistant nylon housing.
- User information and instructions printed on durable Polyester labels permanently attached to the tester.
- Rotatable labels can be easily read regardless of tester position.

HKLDPK2



Note: □ △ ○ Indicates Unlighted Lamp. ■ ▲ ● Indicates Lighted Lamp.
When testing other receptacle types, use HBL5200 only with polarized adapters.

***CAUTION:** This device introduces low level current into the grounding path. Use with caution in critical care areas.*

HBL5200

Cord Grip

Description	Catalog Number
Cord grip for ½ inch knockouts.	**HBL112***

*Note: *Not UL Listed.*

HBL112

Dimensions in Inches (mm)

Specifications

Typical Specification	PLUGOUT® Devices
Description	Yellow lockout device.
Housing	UV stabilized polypropylene, heavy metal free colorant.
Optional storage position	Stores on cable when not in use.
Color	High visibility yellow.
Instructional Information	Permanently molded into housing.
Ambient Operating Temperature	Maximum continuous 140°F (60°C); minimum continuous -20°F (-29°C).

Plug Sizes and Padlocks Accommodated	HLDMP	HLD	HLD2
Plug Diameter	0.79" (20.0) min., 1.73" (44.0) max.	1.50" (38.1) min., 2.75" (69.8) max.	1.90" (48.3) min., 4.50" (114.3) max.
Plug Length	3.70" (94.0) max.	4.75" (120.6) max.	10.15" (257.8) max.
Cord	0.64" (16.3) max.	1.11" (28.2) max.	1.45" (36.8) max.
Maximum Number of Padlocks	2 locks, 5/16" (7.9) shackle dia.	4 locks, 3/8" (9.5) shackle dia.	4 locks, 3/8" (9.5) shackle dia.

Typical Specification	Keyed PLUGOUT® Device HKLD and HKLDPK2
Description	ABS with metal cylindrical lock.
Housing	UV stabilized polypropylene, heavy metal free colorant.
Color	High visibility yellow.
Instructional Information	Permanently molded into housing.
Ambient Operating Temperature	Indoor use only.

Specifications

Typical Specification	SWITCHOUT® Device HSLDPK2
Description	Yellow switchout device.
Housing	Nylon, heavy metal free colorant.
Color	High visibility yellow.
Installation	Installs without removal of existing wallplate screws.
Maximum Number of Padlocks	Two locks, 5/16" (7.9) shackle dia.
Ambient Operating Temperature	Maximum continuous 140°F (60°C); Minimum continuous -20°F (-29°C).

Lampholders provide lighting in unfinished areas, such as attics and basements.

Porcelain White Lampholders

Catalog Number	RL8804	RL8806	RL8812	RL8816	RL8822
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails	Pull Chain with Receptacle, 2 Terminal Screws
Rating	660W 250V	660W 250V	660W 250V	660W 250V	660W 125V 15A 125V NEMA 5-15R

Plastic White Lampholders

Catalog Number	RL8504	RL8506	RL8512	RL8516
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails
Rating	660W 600V	660W 600V	660W 250V	660W 250V

Incandescent Brass Lampholders, Medium Base

Catalog Number	RL101*	RL102*	RL105*	RL100**	RL106*
Description	Turn Knob, On/Off	Turn Knob, Three Way	Push Through, On/Off	Keyless	Pull Chain, On/Off
Rating	250W 250V	250W 250V	660W 250V	660W 250V	660W 250V

*Note: *UL or cUL.*
***UL or CSA.*

Compact Flourescent Lampholders

Catalog Number	RL479HSM	RL413HSI	RL413HSM	RL426G24	RL42G11HSM	RL42G11H9
Description	G23 base	GX23 base	GX23 base	G24Q-3, GX24Q-4	2G11 base, 4 pin	2G11 base, 4 pin
Lamp Type	5W, 7W, 9W	13W	13W	26-32W	18-55W	18-55W
Rating	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V
Mounting	Horizontal, screw-down	Horizontal, snap-in	Horizontal, screw-down	Horizontal, screw-down	Horizontal, screw-down	Vertical 90°, snap-in

RL42G11C

Clip for 2G11 Base Lampholders, Adjustable, Snap-in

High Output Fluorescent Lampholders

Catalog Number	RL305*	RL306*	RL307	RL308	RL356	RL357
Description	Plunger	Fixed	Plunger	Fixed	Plunger	Fixed
Lamp Type	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Vertical - Power groove & jacketed lamps	Vertical - Power groove & jacketed lamps
Rating	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V
Mounting	Pedestal, slide-on	Pedestal, slide-on	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in

*Note: *UL or cUL.*

Medium Bi-Pin Fluorescent Lampholders - T8 and T12

Catalog Number	RL320	RL325	RL325B
Description	Disconnect 4 wire	Disconnect 4 wire	Shunted 2 wire
Lamp Type	Bi-pin/tall profile	Bi-pin/low profile	Bi-pin/low profile
Rating	660W, 600V	660W, 600V	660W, 600V
Mounting	Slide-on and snap-in with captive nut	Slide-on and snap-in with captive nut	Slide-on and snap-in

Slimline Type Fluorescent Lampholder

RL310*	RL311*
Plunger	Fixed
Single pin	Single pin
660W, 600V	660W, 600V
Slide-on and snap-in	Slide-on and snap-in

*Note: *UL or cUL.*

HID Incandescent Lampholders, Porcelain Keyless

Catalog Number	**RL4221***	**RL5221**	**RL3742**
Description	Mogul base	Mogul base	Medium base prefocus
Lamp Type	E39 socket	EX39 socket	Bayonet socket
Rating	1500W, 600V Max, 4KV or 5KV PULSE	1500W, 600V Max, 5KV PULSE	1200W, 250V
Mounting	Screw mount, 12 inch leads	Screw mount, 12 inch leads	Screw mount

*Note: *UL Listed, CSA Certified.*

Straight Body Keyless Porcelain

Catalog Number	**RL162**	**RL156**	**RL157**	**RL160**	**RL158**	**RL159**
Description	Medium base	Medium base	Medium base	Medium base	Medium base, low profile	Medium base, shallow base
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	Screw mount, screw terminals	Screw mount, 12 inch leads	NPSF1/8 hickey with terminals	NPSF1/8 hickey with 12 inch leads	Front mount, panel mount snap-in	Front mount, panel mount snap-in

Surface and Sign Mount, Medium Base

Catalog Number	**RL152**	**RL153**	**RL161**	**RL163**	**RL164**
Description	Medium base, Porcelain, Pony Cleat	Medium Base, Plastic, Black, Pony Cleat	Medium base, Porcelain	Medium base, Porcelain	Medium base, Porcelain
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	1 piece, surface mount	1 piece, surface mount	2 piece, surface mount	2 piece, sign mount with leads	2 piece, sign mount with terminals

Incandescent Lampholders, Medium Base

Catalog Number	RL124*	RL124H	RL202
Description	Pigtail Medium Base Socket with 6 inch Leads, Rubber with #18 Gauge Wire	Phenolic Medium Base Socket with Hook, Insulation Piercing Termination	Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets without Ground
Rating	660W 250V	660W 250V	660W 125V 15A 125V

*Note: *cCSAus Certified only.*

Incandescent Adapters, Medium Base

Catalog Number	RL150	RL154	RL200	RL201
Description	Medium to medium base extension, Screw-in, E26 to E26 socket	Mogul to medium base adapter, Screw-in E39 to E26 socket	Outlet Adapter, 2 Prong Plug to Medium Lampholder	Medium Lampholder Adapter, Medium Lampholder to Outlet without Ground
Rating	250W, 250V	660W, 250V	15A 660W 125V 15A 125V NEMA 1-15R	15A 125V NEMA 1-15R

Lamp Switches

Catalog Number	RL120	RL121	RL122	RL125
Description	Pull chain switch, 2 circuit, L1/L2/L1+L2/off	Pull chain switch, SPST on/off	Pull chain switch, L1/L2/L3/off	Rotary switch, SPST on/off
Rating	6A 125V AC, 3A 250V AC, 3A 125V “L”	6A 125V AC, 3A 250V AC, 3A 125V “L”	6A 125V AC, 3A 250V AC	6A 125V AC, 3A 250V AC, 3A 125V “L”

Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.

Snap-in Receptacles

Catalog Number	RR374	RR374W
Description	Single receptacle, Black	Single receptacle, White
Rating	15A 125V, 3 wire NEMA 5-15R	15A 125V, 3 wire NEMA 5-15R

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm).
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm).
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads.
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead.

Taps and Adapters

Color					
Ivory	**RT600I**	**RT300I**	**—**	**RT200***	**—**
Orange	**—**	**—**	**RT303**	**—**	**—**
White	**RT600W**	**RT300W**	**—**	**—**	**RT100W**
Description	Duplex Receptacle to Six Outlets with Ground	Single Receptacle to Three Outlets with Ground	Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground	Two Wire to U-Ground	Cube Tap without Ground
Rating	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 1-15

*Note: *UL Listed only.*

Plugs and Connectors

Color					
Black	**RP101BK**	**RP102BK**	**RP646**	**RP648**	**RP649**
White	**RP101W**	**RP102W**	**—**	**—**	**—**
Description	Straight Plug, Polarized, Two Blade Light Duty	Straight Connector, Polarized, Two Blade, Light Duty	Straight Plug, Non-Polarized, Two Blade, Heavy Duty	Straight Plug, Polarized, Two Blade, Heavy Duty	Straight Connector, Polarized, Two Blade, Heavy Duty
Wire Range Cord	#16,18 AWG, Up to .250 inch Dia.	#16,18 AWG, Up to .250 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.
Rating	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P

Color		
Ivory	**RP123I**	**RP123PI**
White	**RP123W**	**RP123PW**
Description	Straight Plug, Non-Polarized, Two Blade	Straight Plug, Polarized, Two Blade
Cord	SPT 1 and 2 Cord 18/2 & 16/2 AWG	SPT 1 and 2 Cord 18/2 & 16/2 AWG
Rating	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P

Technical Information

RL5221 HID Incandescent Lampholder

RL5221

Specification

Rating 1500W, 600V Max, 5KV Pulse

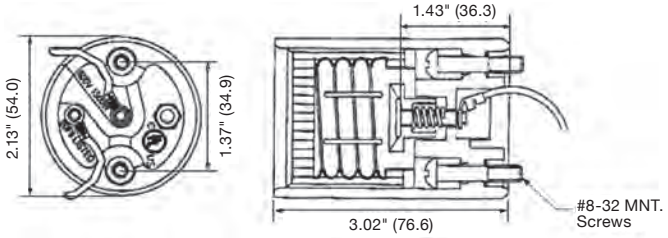
Mechanical

Material	Glazed porcelain body with ceramic arc shield Screw shell: Brass with nickel plate

Terminal Accommodation

Wire leads: #14 AWG SF-2 (SEW-2) 200° C, 600V glass braid, 12 inch long, stripped ½ inch wire.

Mogul Base EX39 lampholder used with ANSI type "o" metal halide lamps, open-rated protected lamps, for use in open or enclosed luminaires. "EX" style exclusionary base designed specifically for operation with protected sockets.



Technical Information

RL426G24 Compact Fluorescent Lampholder

RL426G24

Specification

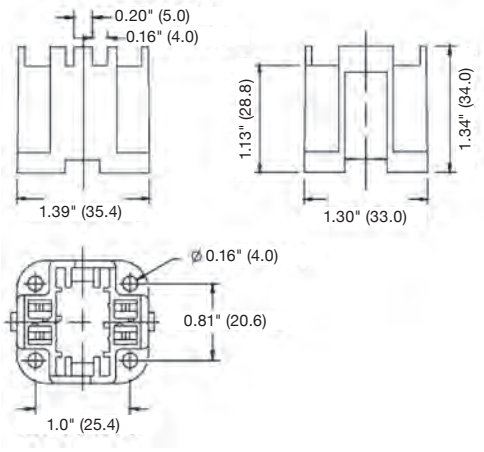
Rating 26-32W lamp type, 75W, 600V

Mechanical

Material	High Strength Polycarbonate

Terminal Accommodation

Suitable as G24Q-3 or GX24Q4 type base, horizontal mount, screw down. Push-in wire terminals for #18 AWG solid or twist and tin stripped 7⁄16 inch wire. Maximum 6.5 inch lbs conductor insertion force. Wiring port accepts 2 wires for harness wiring.



Dimensions in Inches (mm)

General Technical Data

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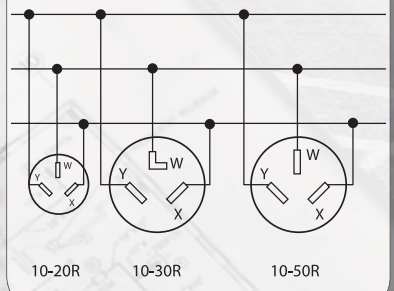
Certification Agencies and Markings

Circuit Wiring Diagrams



Electrical Symbols and Abbreviations

Push Button	Buzzer
Bell	Annunciator
Outside telephone	
Interconnecting telephone	
Telephone switchboard	
Bell ringing transformer	
Electric door opener	
Fire alarm bell	
City fire alarm station	

Horsepower Rating Tables

Catalog Number	A/C Voltage Rating	HP Rating
HBL420R9W	3Ø250	2
HBL420R7W	3Ø480	5
HBL420R5W	3Ø600	7-1/2
HBL520R9W	3ØY 120/208	1/2
HBL520R7W	3ØY 277/480	5
HBL520R5W	3ØY 347/600	7-1/2
HBL430R9W	3Ø250	3
HBL430R7W	3Ø480	7-1/2
HBL430R5W	3Ø600	10
HBL530R9W	3ØY 120/208	2
HBL530R7W	3ØY 277/480	7-1/2
HBL530R5W	3ØY 347/600	10

Standards of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

The American Boat and Yacht Council Inc. (ABYC) is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

UL LLC, formely Underwriters Laboratories Inc. (UL)
A for-profit corporation, operating in two distinct roles, as a certifier and testing facility, and as a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property." On January 1, 2012, UL moved to a for-profit structure.

Separate from product certifications, UL develops consensus standards for the U.S. UL evaluates products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. Electrical inspectors or other Authorities Having Jurisdiction (AHJs) use UL Listings of products to determine acceptability of electrical installations. It is important to remember that UL is not an approval agency. It approves nothing, but lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

CSA Group, formerly Canadian Standards Association (CSA) is a not-for-profit membership-based association and performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). CSA Standards develops product safety standards for Canada, which parallel UL standards in many aspects but are not always identical. CSA International evaluates products and grants paying clients "Certification" that their products meet CSA Standards. CSA Standards also sponsors the Canadian Electrical Code (CE Code).

American National Standards Institute, Inc. (ANSI) as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality), ISO 14000 (environmental) and ISO 17025 (laboratory) management systems.

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a component or system manufactured to IEC standards and

manufactured in country A can be sold and used in countries B through Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

The National Electrical Code® (NEC®)
The NEC is developed by NFPA's Committee on the National Electrical Code®, which consists of 19 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70.

First published in 1897, the NEC is updated and published every three years. The 2014 edition will be published in October 2013. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated to the most recent edition.

National Electrical Manufacturers Association (NEMA®) An organization of over 450 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it, standards are developed for electrical distribution.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA standards, such as ANSI/NEMA WD 6, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase. NEMA does not evaluate or certify products or enforce regulations.

General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS) provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

Occupational Safety and Health Administration (OSHA) is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

Canadian Electrical Code, Part I (CE Code)
The CE Code is developed by the Committee on CE Code, Part I, composed of members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually to address reports submitted by 43 section subcommittees. Work on CE Code, Part I is sponsored by CSA Standards. The product standards of CSA Standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and published every three years, prior to 2006 every four years. The 2012 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

NSF International, formerly National Sanitation Foundation (NSF) NSF International is a not-for-profit organization founded in 1944 from the University of Michigan's School of Public Safety. NSF develops public health standards, and provides and enforces certifications to protedt food, water, and beverages. NSF is the leading certifier of food service equipment.

Certification Agencies and Markings

Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 and 20 Amp Straight Blade Receptacles
Products that carry certification marks must meet the specific testing standards indicated

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	DESC WC596
Spec Grade*	Self Certified, No Testing Required- Advertising/Trade Name					
	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
	Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market.	X				
	Products found with this mark are certified primarily for the Canadian market.		X			
	Products intended for US and Canada.	X	X			
• Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.	X		X		
• Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.		X		X	
Fed. Spec.	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X				X
Fed. Spec. • Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X		X		X

*Note: *Includes such variation as Premium Spec, Super Spec, etc.*
***End Product test also required.*

Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.

ANSI	American National Standards Institute.
CANENA	Consejo de Armonizacion de los Naciones de America.
CSA	Canadian Standards Association.
IEC	International Electrotechnical Commission.
IEEE	Institute of Electrical & Electronics Engineers, Inc.
ISA	The Instrumentation, Systems and Automation Society.
ISO	International Organization for Standardization.
LEEDS	Leadership in Energy and Environmental Design.
NFPA	National Fire Protection Association, Inc.
NSF	National Sanitation Foundation.
SAE	Society of Automotive Engineers.
SME	Society of Manufacturing Engineers.
USGBC	United States Green Building Council.
UL	Underwriters Laboratories Inc.

Installation Codes

CEC Part I	Canadian Electrical Code, Part I.
NEC®	National Electrical Code®.
NOM	Normas Oficiales Mexicanas (Mexican Electrical Code).

Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.

ABYC	American Boat and Yacht Council.
ASTM	American Society for Testing and Materials.
BICSI	Building Industry Consulting Services International.
BOMA	Building Owner Management Association.
CANAME	Camara Nacional de Manufacturas Electricas.
CEMRA	Canadian Electrical Manufacturers Representative Association.
ECOC	Electrical Contractors of Canada.
EF-C	Electro-Federation-Canada.
EIA	Electronic Industries Alliance.
EPRI	Electric Power Research Institute.
IAEI	International Association of Electrical Inspectors.
IECI	Independent Electrical Contractors International.
IFMA	International Facilities Management Association.
NAED	National Association of Electrical Distributors.
NAW	National Association of Wholesalers.
NECA	National Electrical Contractors Association.
NEMA	National Electrical Manufacturers Association.
NEMRA	National Electrical Manufacturers Representatives Association.
NMDA	National Marine Distributor Association.
NMRA	National Marine Representative Association.
SEMI	Semi Conductor Equipment and Material International.
TIA	Telecommunication Industry Association.

Codes and Standards Organizations

Addresses

For convenience, the following listings define common acronyms for a variety of organizations.

Certification Agencies: Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

ANCE	National Association of Normalization and Certification of the Electrical Sector.
BSI	British Standards Institute.
CE	Self Certification Marking of European Community.
CCC	China Compulsory Certification.
CSA	Canadian Standards Association or CSA International.
FM	Factory Mutual.
NRTL	Nationally Recognized (by OSHA) Testing Laboratory.
PSE	Product Safety Electrical Appliance and Material (Japan).
TÜV	TÜV Rheinland of N.A., Inc.
UL	Underwriters Laboratories Inc.
VDE	Verband Deutscher Elektrotechniker (Germany).

Note: *Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.*

Government Agencies

DSCC	Defense Supply Center – Columbus.
EU	European Union.
FCC	Federal Communications Commission.
IAPA	Industrial Accident & Prevention Association (Canada).
OSHA	Occupational Safety and Health Administration.

Copies of standards referred to on the preceding pages may be purchased from the following:

American Boat and Yacht Council, Inc. (ABYC)
613 Third Street, Suite 10
Annapolis, MD 21403
USA

The American National Standards Institute (ANSI)
25 West 43rd Street,
(between 5th and
6th Avenues), 4 floor
New York, NY 10036

or

1819 L Street, NW
(between 18th and
19th Streets), 6th floor
Washington, DC 20036
USA

CSA Group (CSA)
178 Rexdale Boulevard
Toronto, Ontario
M9W 1R3
CANADA

National Electrical Manufacturers Association (NEMA)
1300 North 17th Street
Rosslyn, VA 22209
USA

National Fire Protection Association (NFPA)
1 Batterymarch Park
Quincy, MA 02169-7471
USA

NSF International (NSF)
789 North Dixboro Road
Ann Arbor, MI 49105
USA

The International Electrotechnical Commission (IEC)
IEC Central Office
3, rue de Varembé
P.O. Box 131
CH - 1211 GENEVA 20
Switzerland

Asociacion Nacional de Normalizacion y Certificacion del Sector Electrico A.C. (NOM – ANCE)
Ibsen No.13,
Colonia Chapultepec Polanco,
C.P.11560 México, D.F.,
Conmutador 5280-6775

Occupational Safety and Health Administration (OSHA)
Occupational Safety & Health Administration
200 Constitution Avenue, NW
Washington, DC 20210
USA

UL LLC (UL)
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
USA

AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc. thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc.and certified by CSA International, all 15, 20 and 30 amperes 120/277V AC switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.

2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.

3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.

4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.

5. Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees Celsius.

6. A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the manual motor controllers for that operating voltage as well as for lower HP ratings.

To qualify for an HP rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the HP rating marked on the switch. (For DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (6) six samples. For ¾ HP 120 - 240 volts AC rating, (2) two sets of (6) six samples each are tested in addition to the regular overload, endurance, temp. rise and dielectric tests. The test circuit characteristics are:

	For ¾ HP 120V AC	**For ¾ HP 240V AC**
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power Factor	0.40-0.50	0.40-0.50

Note: Current at 240V AC is ½ that at 120V AC

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

Wiring Device Standards

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:

General Use - UL 498 – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).

Fed. Spec.

Fed. Spec. - W-C-596 – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirement (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.

• Hospital Grade

Hospital Grade – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.

Fed. Spec.
• Hospital Grade

Hospital Grade Fed. Spec. – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Hubbell Hospital Grade devices are UL listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

Testing for Hospital Grade and Fed. Spec. Listing of Hubbell Receptacles, Plugs and Connectors

All Hubbell Hospital Grade products are tested quarterly in our factories with Underwriters Laboratories.

Receptacles

Fed. Spec. Test: Ground Pin Retention Test - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

Fed. Spec. Test: Power Blade Retention Test - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

HG Test: Abrupt Removal of Plug Test - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

Fed. Spec. Test: Assembly Security Test - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

Plugs and Connectors

HG Test: Impact Test – A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

HG Test: Mechanical Drop Test – The cord connector is wired to #18 AWG flexible cord and suspended horizontally. It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: 500 Pound Crush Test – A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: Strain Relief Test – While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

RoHS, WR, TR and LED Power Descriptions

RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

Weather Resistant Receptacles

Per National Electrical Code (NEC®) Article 406.9; all 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

Tamper-Resistant Receptacles

Per National Electrical Code (NEC®) Article 406.12, 406.13, 406.14; all 125 volt, 15 and 20 amp receptacles in dwelling units, lodging guest rooms and suites, and child care facilities shall be a listed tamper resistant type. Dwelling units are defined as a single unit, providing complete and independent living facilities for one or more persons, including permanent provisions for living, sleeping, cooking and sanitation. Listed devices are required to have a TR marking on the face visible when installed without a cover plate.

LED Power Indicators

Most popularly used to identify emergency circuits in hospitals, the LED power indicatorsare bright enough to be visible in low light as well as bright daylight conditions.

Tamper-Resistant SG Series Duplex Receptacle, Hospital Grade. How the SG Tamper-Resistant Receptacle Works.

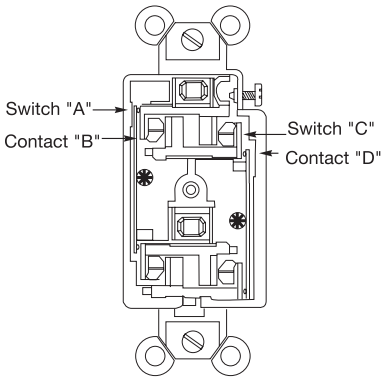


Figure 1

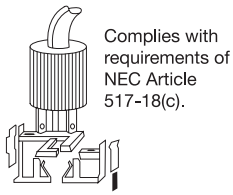


Figure 2

As shown in Figure 1, Switch “A” energizes the left hand Contact “B” and Switch “C” energizes the right hand Contact “D”. The same arrangement applies to the lower portion of the outlet.

If, for example, a metallic object is inserted into the left power Contact “B” only, the object is not energized because it requires the additional insertion of a similar object in the opposite Contact “D” to move the slider to close Switch “A”.

Similarly, if an object is inserted into the right hand slot only, it cannot become energized unless and additional object is inserted in the opposite slot to close Switch “C”.

In other words it requires the presence of an object in both right and left hand contacts to energize the device. This condition is in practice fulfilled only by the insertion of the proper electrical plug as shown in Figure 2.

Remember, this receptacle can be used with either a 2 or 3 wire plug. No other tamper-resistant receptacle on the market can provide you with greater reliability and durability than the Hubbell hospital grade tamper resistant receptacle.

Complies with requirements of NEC Article 517-18(c).

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

Conversion of NEMA Type Numbers to IEC Classification Designations

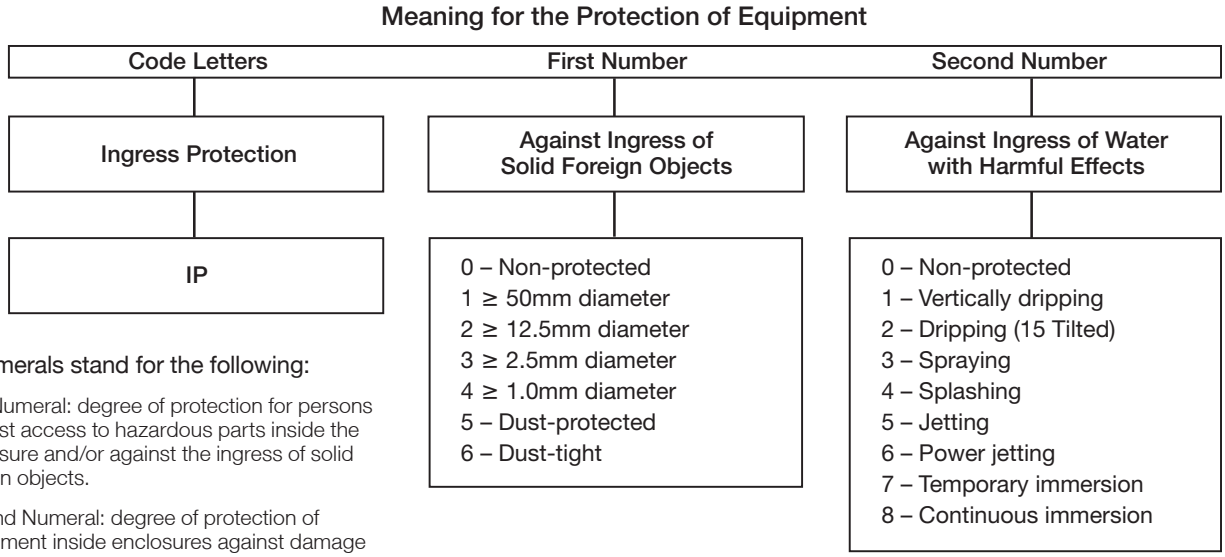
(Cannot be used to convert IEC classification designations to NEMA type numbers)

NEMA Enclosure Type Number	IEC Enclosure Classification Designation	Basic Description
1	IP10	General Purpose
2	IP11	Dripproof- Indoor
3	IP54	Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor
3S	IP44, IP54	Dusttight, Raintight and Sleet (ice) Proof- Outdoor
4	IP56	Watertight and Dusttight- Indoor and Outdoor
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor
5	IP52	Superseded by Type 12 for Control Apparatus
6	IP67	Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor
12	IP52	Industrial Use, Dusttight and Driptight- Indoor
12K	IP52	Industrial Use, Dusttight and Driptight with Knockouts- Indoor
13	IP54	Oiltight and Dusttight- Indoor

Elements of the IP Code and Their Meanings - *In Accordance with Standard IEC 60529*

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, The higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion



The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Definition	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosures…provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions.
Type 1	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	No CSA equivalent.
Type 2	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of non-corrosive liquids.	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt.
Type 3	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure.
Type 3X	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3R	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3RX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3S	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 3SX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 4	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion.

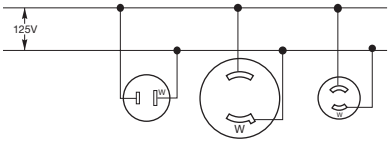
Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Type 5	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 12K	Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 13	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and seepage of water, oil, and non-corrosive coolants.	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of non-corrosive liquids including oils and coolants.

Wiring Diagrams for NEMA Configurations

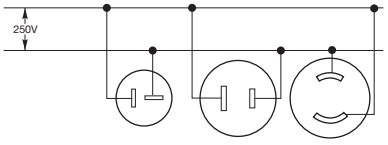
(Configurations shown are for female devices)

125V – 2P, 2W



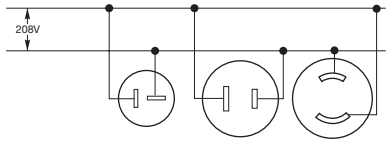
ANSI/NEMA WD-6 1-15R L1-15R ML1-R

250V – 2P, 2W



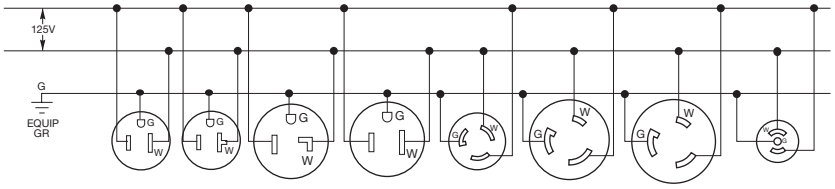
ANSI/NEMA WD-6 2-20R 2-30R L2-20R

208V AC Line-to-Line* – 2P, 2W



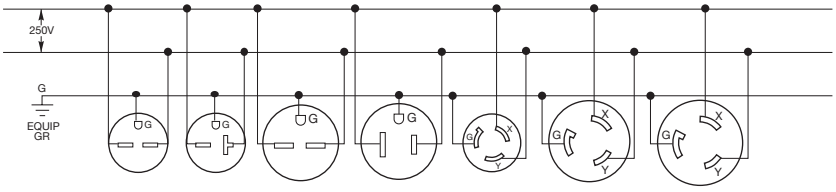
ANSI/NEMA WD-6 2-20R 2-30R L2-20R

125V – 2P, 3W – Grounding



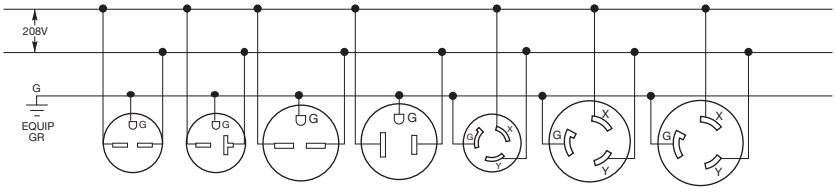
ANSI/NEMA WD-6 5-15R 5-20R 5-30R 5-50R L5-15R L5-20R L5-30R ML2-R

250V – 2P, 3W – Grounding



ANSI/NEMA WD-6 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

208V AC Line-to-Line* – 2P, 3W – Grounding



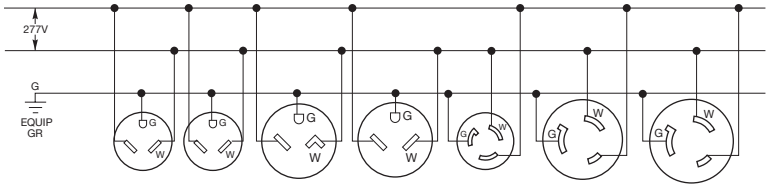
ANSI/NEMA WD-6 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

*Note: *Does NOT encompass 208V AC Line-to-Neutral.*
The above diagrams are intended to show device terminal identification only.

Wiring Diagrams for NEMA Configurations

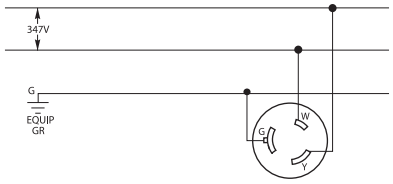
(Configurations shown are for female devices)

277V AC – 2P, 3W – Grounding



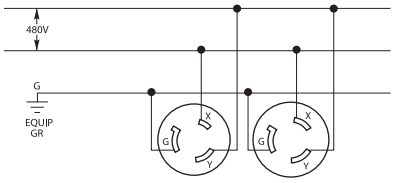
ANSI/NEMA WD-6 7-15R 7-20R 7-30R 7-50R L7-15R L7-20R L7-30R

347V AC – 2P, 3W – Grounding



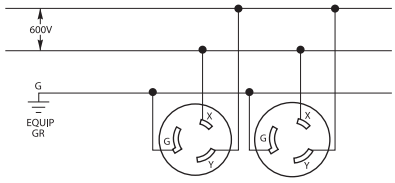
ANSI/NEMA WD-6 L24-20R

480V AC – 2P, 3W – Grounding



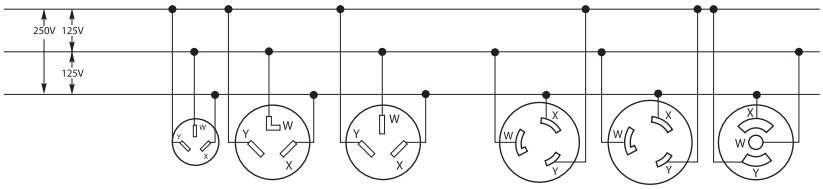
ANSI/NEMA WD-6 L8-20R L8-30R

600V AC – 2P, 3W – Grounding



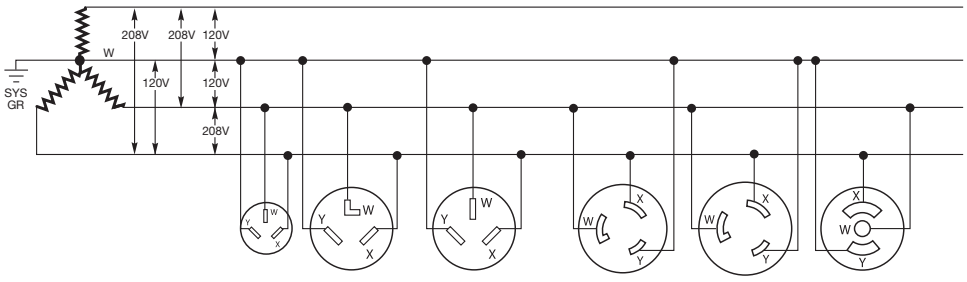
ANSI/NEMA WD-6 L9-20R L9-30R

125/250V – 3P, 3W



ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

1Ø 120/208YV AC – 3P, 3W



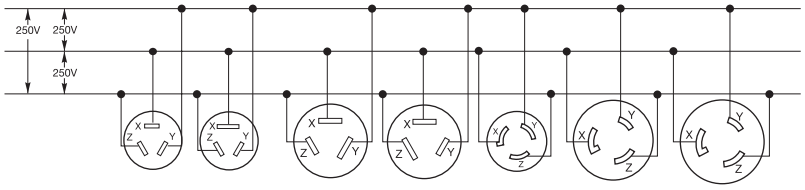
ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

Note: The above diagrams are intended to show device terminal identification only.

Wiring Diagrams for NEMA Configurations

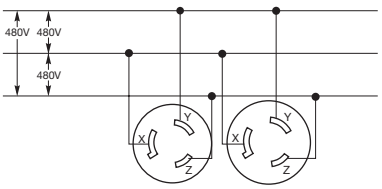
(Configurations shown are for female devices)

3Ø 250V AC – 3P, 3W



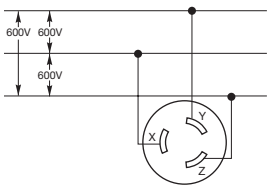
ANSI/NEMA WD-6 11-15R 11-20R 11-30R 11-50R L11-15R L11-20R L11-30R

3Ø 480V AC – 3P, 3W



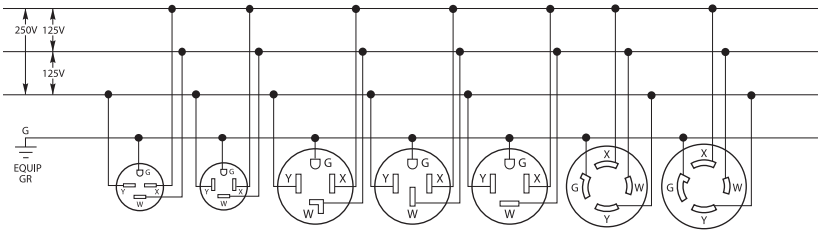
ANSI/NEMA WD-6 L12-20R L12-30R

3Ø 600V AC – 3P, 3W



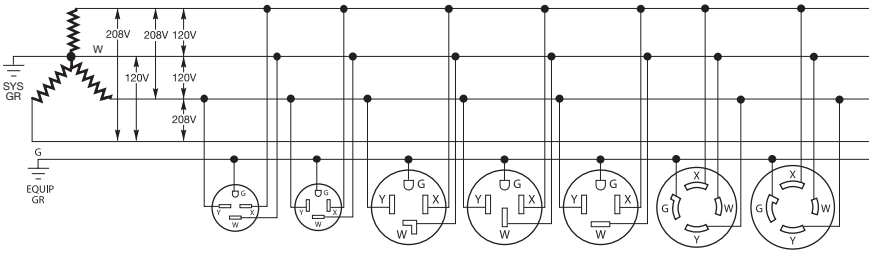
ANSI/NEMA WD-6 L13-30R

125/250V – 3P, 4W



ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

1Ø 120/208YV AC – 3P, 4W – Grounding



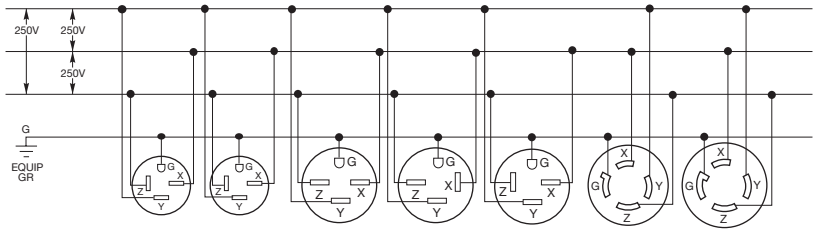
ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

Note: The above diagrams are intended to show device terminal identification only.

Wiring Diagrams for NEMA Configurations

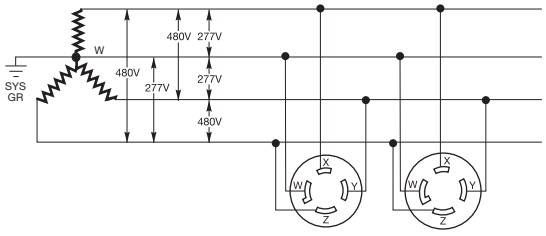
(Configurations shown are for female devices)

3Ø 250V – 3P, 4W – Grounding



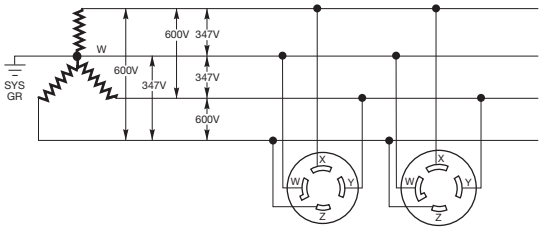
ANSI/NEMA WD-6 15-15R 15-20R 15-30R 15-50R 15-60R L15-20R L15-30R

3ØY 277/480V AC – 4P, 4W



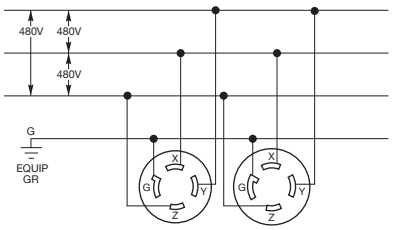
ANSI/NEMA WD-6 L19-20R L19-30R

3ØY 347/600V AC – 4P, 4W



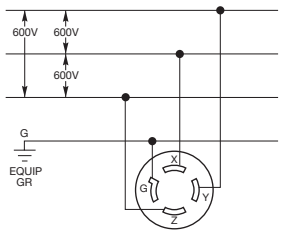
ANSI/NEMA WD-6 L20-20R L20-30R

3Ø 480V AC – 3P, 4W – Grounding



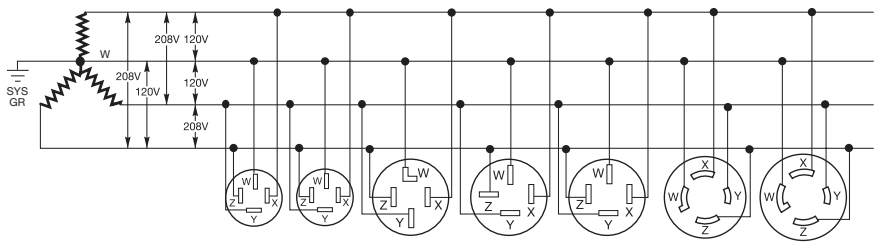
ANSI/NEMA WD-6 L16-20R L16-30R

3Ø 600V AC – 3P, 4W – Grounding



ANSI/NEMA WD-6 L17-30R

3ØY 120/208V AC – 4P, 4W



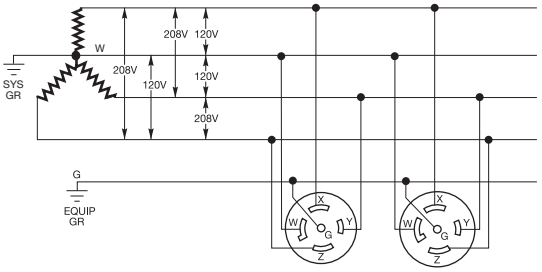
ANSI/NEMA WD-6 18-15R 18-20R 18-30R 18-50R 18-60R L18-20R L18-30R

Note: The above diagrams are intended to show device terminal identification only.

Wiring Diagrams for NEMA Configurations

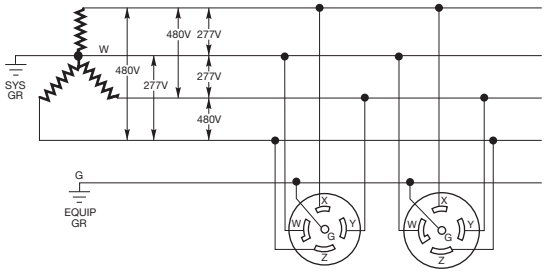
(Configurations shown are for female devices)

3ØY 120/208V AC – 4P, 5W – Grounding



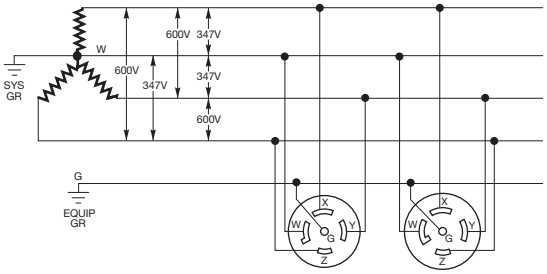
ANSI/NEMA WD-6 L21-20R L21-30R

3ØY 277/480V AC – 4P, 5W – Grounding



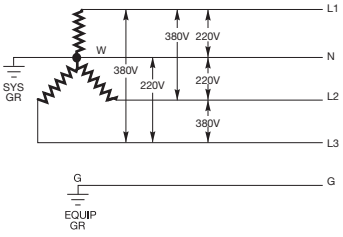
ANSI/NEMA WD-6 L22-20R L22-30R

3ØY 347/600V AC – 4P, 5W – Grounding

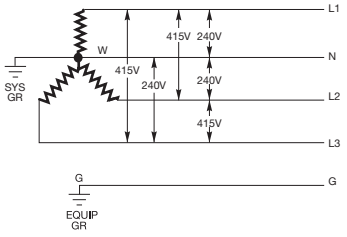


ANSI/NEMA WD-6 L23-20R L23-30R

3ØY 220/380V AC – 4P, 5W – Grounding



3ØY 240/415V AC – 4P, 5W – Grounding



Note: The above diagrams are intended to show device terminal identification only.

Horsepower Ratings for NEMA Configurations – Plugs and Receptacles Only

Straight Blade				Locking			
NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]
1-15	0.5	11-15 11-20 11-30 11-50	2 3 3 7.5	L1-15	0.5	L11-15 L11-20 L11-30	2 3 3
2-15 2-20 2-30	1.5* 2* 2*			L2-20	2*		
5-15 5-20 5-30 5-50	0.5 1 2 2	14-15 14-20 14-30 14-50 14-60	1.5 L-L* 0.5 L-N 2 L-L* 1 L-N 2 L-L* 2 L-N 3 L-L* 2 L-N 3 L-L* 2 L-N	L5-15 L5-20 L5-30	0.5 1 2	L12-20 L12-30	5 10
6-15 6-20 6-30 6-50	1.5* 2* 2* 3*			L6-15 L6-20 L6-30	1.5* 2* 2*	L14-20 L14-30	2 L-L* 1 L-N 2 L-L* 2 L-N
7-15 7-20 7-30 7-50	2 2 3 5			L7-15 L7-20 L7-30	2 2 3	L15-20 L15-30	3 3
				L8-20 L8-30	3 5	L16-20 L16-30	5 10
		15-15 15-20 15-30 15-50 15-60	2 3 3 7.5 10			L18-20 L18-30	2 3
10-20 10-30 10-50	2 L-L* 1 L-N 2 L-L* 2 L-N 3 L-L* 2 L-N			L10-20 L10-30	2 L-L* 1 L-N 2 L-L* 2 L-N	L19-20 L19-30	5 10
		18-15 18-20 18-30 18-50 18-60	2 2 3 7.5 7.5			L21-20 L21-30	2 3
						L22-20 L22-30	5 10

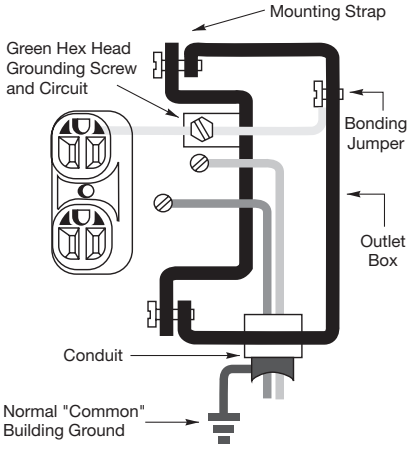
Note: [1]The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".
**Also suitable for 208V Line-to-Line, not 208V Line-to-Neutral.*

UL 231 Tabl3 2.1, UL 508A Table SB4.1, UL 891 Table 16 - Assumed Maximum Short Circuit Current Rating for Unmarked Components When Used in UL 231 Power Outlets, UL 508A Industrial Control Panels, and UL 891 Switchboards

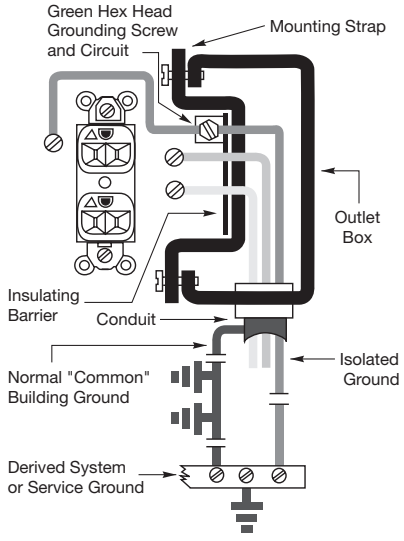
Component	Short Circuit Current Rating, kA
Bus bars	10
Circuit breaker (including GFCI type)	5
Current meters	a
Current shunt	10
Fuseholder	10
Industrial control equipment:	
a. Auxiliary devices (overload relay)	5
b. Switches (other than mercury tube type)	5
c. Mercury tube switches	
- Rated over 60 amperes or over 250 volts	5
- Rated 250 volts or less, 60 amperes or less, and over 2 kVA	3.5
- Rated 250 volts or less and 2 kVA or less	1
Motor controller, rated in horsepower (kW)	
a. 0 – 50 (0 – 37.3)	5c
b. 51 – 200 (38 – 149)	10c
c. 201 – 400 (150 – 298)	18c
d. 401 – 600 (299 – 447)	30c
e. 601 – 900 (448 – 671)	42c
f. 901 – 1500 (672 – 1193)	85c
Meter socket base	10
Miniature or miscellaneous fuse	10b
Receptacle (GFCI type)	2
Receptacle (other than GFCI type)	10
Supplementary protector	0.2
Switch unit	5
Terminal block or power distribution block	10

Note: a A short circuit current rating is not required when connected via a current transformer or current shunt.
A directly connected current meter shall have a marked short circuit current rating.
b The use of a miniature fuse is limited to 125-volt circuits.
c Standard fault current rating for motor controller rated within specified horsepower range.

Conventional Receptacle



Isolated Ground Receptacle



Hubbell Isolated Ground Receptacles

Why do you need an isolated ground device?

When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

The Problem

The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

The Solution

The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

The Result

This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Decimal Equivalents Table

Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	.015625	.3969	33/64	.515625	13.0969
1/32	.03125	.7938	17/32	.53125	13.4938
3/64	.046875	1.1906	35/64	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.078125	1.9844	37/64	.578125	14.6844
3/32	.09375	2.3813	19/32	.59375	15.0813
7/64	.109375	2.7781	39/64	.609375	15.4781
1/8	.1250	3.1750	5/8	.6250	15.8750
9/64	.140625	3.5719	41/64	.640625	16.2719
5/32	.15625	3.9688	21/32	.65625	16.6688
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	45/64	.703125	17.8594
7/32	.21875	5.5563	23/32	.71875	18.2563
15/64	.234375	5.9531	47/64	.734375	18.6531
1/4	.2500	6.3500	3/4	.7500	19.0500
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1438	25/32	.78125	19.8438
19/64	.296875	7.5406	51/64	.796875	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
11/32	.34375	8.7313	27/32	.84375	21.4313
23/64	.359375	9.1281	55/64	.859375	21.8281
3/8	.3750	9.5250	7/8	.8750	22.2250
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3188	29/32	.90625	23.0188
27/64	.421875	10.7156	59/64	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9063	31/32	.96875	24.6063
31/64	.484375	12.3031	63/64	.984375	25.0031
1/2	.5000	12.7000	1	1.0000	25.4000

Electrical Symbols and Abbreviations

General Outlets

Ceiling Wall

○ -○	Lighting Outlet
Ⓑ -Ⓑ	Blanked outlet
Ⓓ	Deep cord
Ⓔ -Ⓔ	Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc.
Ⓕ -Ⓕ	Fan outlet
Ⓙ -Ⓙ	Junction box
Ⓛ -Ⓛ	Lamp holder
$Ⓛ_{PS}$ -$Ⓛ_{PS}$	Lamp holder with pull switch
Ⓢ -Ⓢ	Pull switch
Ⓥ -Ⓥ	Outlet for vapor discharge lamp
Ⓧ -Ⓧ	Exit light outlet
Ⓒ -Ⓒ	Clock outlet (specify voltage)

Convenience Outlets

⊖	Duplex convenience outlet
$⊖_{1,3}$	Convenience outlet other than duplex 1-single, 3-triplex, etc.
$⊖_{WP}$	Weatherproof convenience outlet
$⊖_{R}$	Range outlet
$⊖_{S}$	Switch and convenience outlet
⊖R	Radio and convenience outlet
◭	Special purpose outlet (Des. in Spec.)
⊖	Floor outlet

Switch Outlets

S	Single pole switch
S_2	Double pole switch
S_3	Three way switch
S_4	Four way switch
S_D	Automatic door switch
S_E	Electrolier switch
S_K	Key operated switch
S_P	Switch and pilot lamp
S_{CB}	Circuit breaker switch
S_{WCB}	Weatherproof circuit breaker
S_{MC}	Momentary contact switch
S_{RC}	Remote control switch
S_{WP}	Weatherproof switch
S_F	Fused switch
S_{WF}	Weatherproof fused switch

Special Outlets

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

$○_{a,b,c,etc}$
$⊖_{a,b,c,etc}$ $_{Sa,b,c,etc}$
When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications.

Panels, Circuits and Miscellaneous

■	Lighting panel
▨	Power panel
——	Branch circuit; concealed in ceiling or wall
—·—	Branch circuit; concealed in floor
-----	Branch circuit; exposed
→→	Home run to panel board. Indicated number of circuits by number of arrows.

Note: Any circuit without further designation indicates a two-wire circuit. For a greater number of wires indicate as follows: // (3 wires) /// (4 wires), etc.

▬ Feeders

Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.

Underfloor duct and junction box. Triple system

Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts.

Ⓖ	Generator
Ⓜ	Motor
Ⓘ	Instrument
Ⓣ	Power transformer (or draw to scale)
⊠	Controller
□	Isolating switch

Auxiliary Systems

•	Push Button	□/	Buzzer
□	Bell	-◇	Annunciator
◀	Outside telephone		
◁	Interconnecting telephone		
◁K	Telephone switchboard		
Ⓣ	Bell ringing transformer		
D	Electric door opener		
F	Fire alarm bell	F	Fire alarm station
⧗	City fire alarm station		
FA	Fire alarm central station		
FS	Automatic fire alarm device		
W	Watchman's station		
W	Watchman's central station		
H	Horn		
N	Nurse's signal plug	M	Maid's signal plug
R	Radio outlet		
SC	Signal central section		
□	Interconnection box	⫼	Battery

—·—·— Auxiliary system circuits.

Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – · – 12-No. 18 W-3'4"C, or designate by number corresponding to listing in schedule.

$□_{a,b,c}$ **Special auxiliary outlets**

Subscript letters refer to notes on plans or detailed description in specifications.

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"-.26" (5.6-6.6)	.23"-.27" (5.8-6.9)	—	—
SVO, SVT, SVTOO, SVTO	16	.25"-.28" (6.2-7.1)	.26"-.30" (6.6-7.5)	—	—
SJ, SJE, SJOO, SJO, SJEO,	18	.28"-.32" (7.1-8.1)	.30"-.34" (7.6-8.6)	.33"-.37" (8.4-9.4)	—
SJEOOSJT, SJTO, SJTOO,	16	.31"-.34" (7.9-8.6)	.33"-.36" (8.4-9.1)	.35"-.40" (8.9-10.2)	—
SJEW, SJOOW, SJOW,	14	.34"-.38" (8.6-9.7)	.36"-.40" (9.1-10.2)	.39"-.44" (9.9-11.2)	—
SJEOW, SJEOOW, SJTW,	12	.41"-.46" (10.4-11.7)	.43"-.48" (10.9-12.2)	.47"-.52" (11.9-13.2)	—
SJTOW, SJTOOW	10	.54"-.61" (13.7-15.5)	.57"-.64" (14.5-16.3)	.63"-.70" (16.0-17.8)	—
S, SE, SOO, SEO, SEOO, ST	18	.34"-.39" (8.6-9.9)	.36"-.40" (9.1-10.2)	.39"-.43" (9.9-10.9)	.46"-.51" (11.7-13.0
STOO, STO, SEW, SOOW,	16	.37"-.41" (9.4-10.4)	.39"-.43" (9.9-10.9)	.41"-.46" (10.4-11.7)	.49"-.55" (12.4-14.0
SOW, SEOW, SEOOW, STW,	14	.50"-.55" (12.7-14.0)	.52"-.58" (13.2-14.7)	.56"-.62" (14.2-15.7)	.63"-.71" (16.0-18.0
STOOW, STOW	12	.57"-.63" (14.5-16.0)	.59"-.66" (15.0-16.8)	.64"-.71" (16.3-18.0)	.70"-.77" (17.8-19.6)
	10	.62"-.69" (15.7-17.5)	.65"-.72" (16.5-18.3)	.70"-.78" (17.8-19.8)	.76"-.84" (19.3-21.3)
	8	.78"-.88" (19.8-22.4)	.83"-.93" (21.1-23.6)	.93"-1.05" (23.6-26.7)	1.00"-1.15" (25.4-29.2)
	6	.92"-1.05" (23.4-26.7)	.97"-1.10" (24.6-27.9)	1.05"-1.20" (26.7-30.5)	1.18"-1.33" (30.0-33.8)
	4	1.06"-1.21" (26.9-30.7)	1.13"-1.28" (28.7-32.5)	1.25"-1.45" (31.8-36.8)	—
	2	1.21"-1.40" (30.7-35.6)	1.30"-1.50" (33.0-38.1)	1.45"-1.65" (36.8-41.9)	—

Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

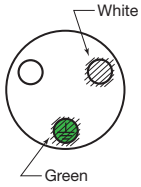
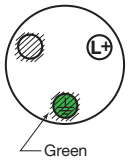
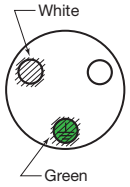
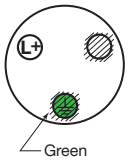
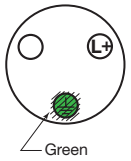
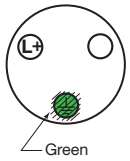
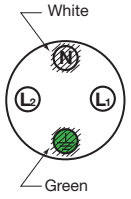
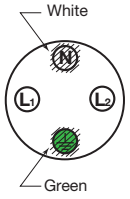
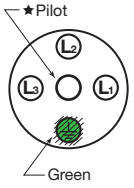
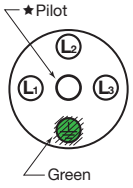
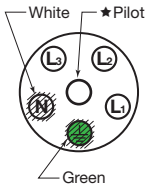
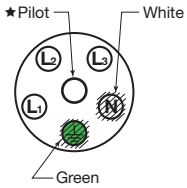
Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
W, G, G-GC, G-BGC, PPC	6	.945" (24.0)	.984" (25.0)	1.102" (28.0)	1.220" (31.0)
	4	1.063" (27.0)	1.142" (29.0)	1.260" (32.0)	1.417" (36.0)
	3	1.181" (30.0)	1.220" (31.0)	1.339" (34.0)	1.496" (38.0)
	2	1.260" (32.0)	1.339" (34.0)	1.496" (38.0)	1.614" (41.0)
	1	1.339" (34.0)	1.496" (38.0)	1.654" (42.0)	1.890" (48.0)
	1/0	1.417" (36.0)	1.614" (41.0)	1.772" (45.0)	1.929" (49.0)
	2/0	1.535" (39.0)	1.732" (44.0)	1.929" (49.0)	2.047" (52.0)
	3/0	1.654" (42.0)	1.890" (48.0)	2.047" (52.0)	2.244" (57.0)
	4/0	1.772" (45.0)	2.008" (51.0)	2.244" (57.0)	2.441" (62.0)

Wire Types Approximate Diameter in Inches (mm)*

Size (AWG or kcmil)	THHN, THWN, THWN-2 Inches (mm)	TW, THHW, THW, THW-2 Inches (mm)	XHHW, ZW, XHHW-2, XHH Inches (mm)
12	.013 (3.302)	.152 (3.861)	.152 (3.861)
10	.164 (4.166)	.176 (4.470)	.176 (4.470)
8	.216 (5.486)	.236 (5.994)	.236 (5.994)
6	.254 (6.452)	.304 (7.722)	.274 (6.960)
4	.324 (8.230)	.352 (8.941)	.322 (8.179)
3	.352 (8.941)	.380 (9.652)	.350 (8.890)
2	.384 (9.754)	.412 (1.46)	.382 (9.703)
1	.446 (11.23)	.492 (12.50	.442 (11.23)
1/0	.486 (12.34)	.532 (13.51)	.482 (12.34)
2/0	.532 (13.51)	.578 (14.68)	.528 (13.41)
3/0	.584 (14.83)	.630 (16.00)	.580 (14.73)
4/0	.642 (16.31)	.688 (17.48)	.038 (13.21)
250	.711 (18.06)	.765 (19.43)	.705 (13.71)
300	.766 (19.46)	.820 (2.83)	.760 (19.30)
350	.817 (2.75)	.871 (22.12)	.811 (26.60)
400	.864 (21.95)	.918 (23.32)	.858 (21.79)
500	.949 (24.10)	1.003 (25.48)	.943 (23.95)
600	1.051 (26.70)	1.113 (28.27)	1.053 (26.75)
700	1.122 (28.50)	1.184 (3.07)	1.124 (25.55)
750	1.156 (29.36)	1.218 (3.94)	1.158 (29.41)
800	1.188 (3.18)	1.250 (31.75)	1.190 (3.23)
900	1.252 (31.80)	1.314 (33.38)	1.254 (31.85)
1000	1.310 (33.27)	1.372 (34.85)	1.312 (33.32)

*Note: *Information sourced from the National Electrical Code.*

IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
			Receptacle and Connector		Plug and Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

Horsepower Ratings for IEC Pin and Sleeve

Catalog Number				AC Voltage Rating	HP Rating
HBL420R9W	**HBL420P9W**	**HBL420C9W**	**HBL420B9W**	3Ø 250	2
HBL420R7W	**HBL420P7W**	**HBL420C7W**	**HBL420B7W**	3Ø 480	5
HBL420R5W	**HBL420P5W**	**HBL420C5W**	**HBL420B5W**	3Ø 600	7.5
HBL520R9W	**HBL520P9W**	**HBL520C9W**	**HBL520B9W**	3ØY 120/208	0.5
HBL520R7W	**HBL520P7W**	**HBL520C7W**	**HBL520B7W**	3ØY 277/480	5
HBL520R5W	**HBL520P5W**	**HBL520C5W**	**HBL520B5W**	3ØY 347/600	7.5
HBL430R9W	**HBL430P9W**	**HBL430C9W**	**HBL430B9W**	3Ø 250	3
HBL430R7W	**HBL430P7W**	**HBL430C7W**	**HBL430B7W**	3Ø 480	7.5
HBL430R5W	**HBL430P5W**	**HBL430C5W**	**HBL430B5W**	3Ø 600	10
HBL530R9W	**HBL530P9W**	**HBL530C9W**	**HBL530B9W**	3ØY 120/208	2
HBL530R7W	**HBL530P7W**	**HBL530C7W**	**HBL530B7W**	3ØY 277/480	7.5
HBL530R5W	**HBL530P5W**	**HBL530C5W**	**HBL530B5W**	3ØY 347/600	10
HBL460R9W	**HBL460P9W**	**HBL460C9W**	**HBL460B9W**	3Ø 250	5
HBL460R7W	**HBL460P7W**	**HBL460C7W**	**HBL460B7W**	3Ø 480	10
HBL460R5W	**HBL460P5W**	**HBL460C5W**	**HBL460B5W**	3Ø 600	15
HBL560R9W	**HBL560P9W**	**HBL560C9W**	**HBL560B9W**	3ØY 120/208	3
HBL560R7W	**HBL560P7W**	**HBL560C7W**	**HBL560B7W**	3ØY 277/480	10
HBL560R5W	**HBL560P5W**	**HBL560C5W**	**HBL560B5W**	3ØY 347/600	15
HBL4100R9W	**HBL4100P9W**	**HBL4100C9W**	**HBL4100B9W**	3Ø 250	10
HBL4100R7W	**HBL4100P7W**	**HBL4100C7W**	**HBL4100B7W**	3Ø 480	30
HBL4100R5W	**HBL4100P5W**	**HBL4100C5W**	**HBL4100B5W**	3Ø 600	30
HBL5100R9W	**HBL5100P9W**	**HBL5100C9W**	**HBL5100B9W**	3ØY 120/208	10
HBL5100R7W	**HBL5100P7W**	**HBL5100C7W**	**HBL5100B7W**	3ØY 277/480	30
HBL5100R5W	**HBL5100P5W**	**HBL5100C5W**	**HBL5100B5W**	3ØY 347/600	30

Supported Media - International

Designation	ANSI/TIA-568-C	ISO/IEC 11801 Amend 2: 2010	CENELEC EN-50173-1: 2002
Category 3 (16 MHz)	Supported	Supported: Class C	Supported: Class C
Category 5e (100 MHz)	Supported	Supported: Class D	Supported: Class D
Category 6 (250 MHz)	Supported	Supported: Class E	Supported: Class E
Category 6A (500 MHz)	Supported	Supported: Class E_A	Supported: Class E_A
Category 7 (600 MHz)	Not Recognized	Supported: Class F	Supported: Class F
Category 7A (1,000 MHz)	Not Recognized	Supported: Class F_A*	Supported: Class F_A*
Category 8 (2,000 MHz)	Not Recognized	Supported: Class F_A*	Supported: Class F_A*
50/125 - 62.5/125 Multimode	Supported	Supported	Supported
Singlemode Fiber	Supported	Supported	Supported
Singlemode Fiber to the Work Area	Not Supported	Supported	Supported
Work Area Outlet Configuration	4 Pairs T568A or B	4 Pairs T568A Only	4 Pairs T568A Only
Stranded Patch Cord Attenuation	120% of Horiz. Cable	150% of Horiz. Cable	150% of Horiz. Cable

*Note: *Category 8 proposed in TIA 568-C.2-1 for 40 GBASE-T. ISO/IEC and cenelec to be determined. ISO/IEC and cenelec considering expanding Class F_A frequency in addition to a considering new Class.*

- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified: Category 5e and 6/6A: 0.5 inch max.

Maintain a minimum bend radius of 4x the cable diameter (4-pair cables)

Never exceed a 90 degree bend

Apply cable ties loosely and at random intervals

Don't over-tighten cable ties

Try to minimize the amount of jacket twisting

Don't over-twist cable, it can lead to torn jackets

Avoid stretching the cable

Don't exceed 25 lbs. of pulling tension

Use appropriate methods for dressing and securing cables:
- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

Don't use a staple gun to position cable

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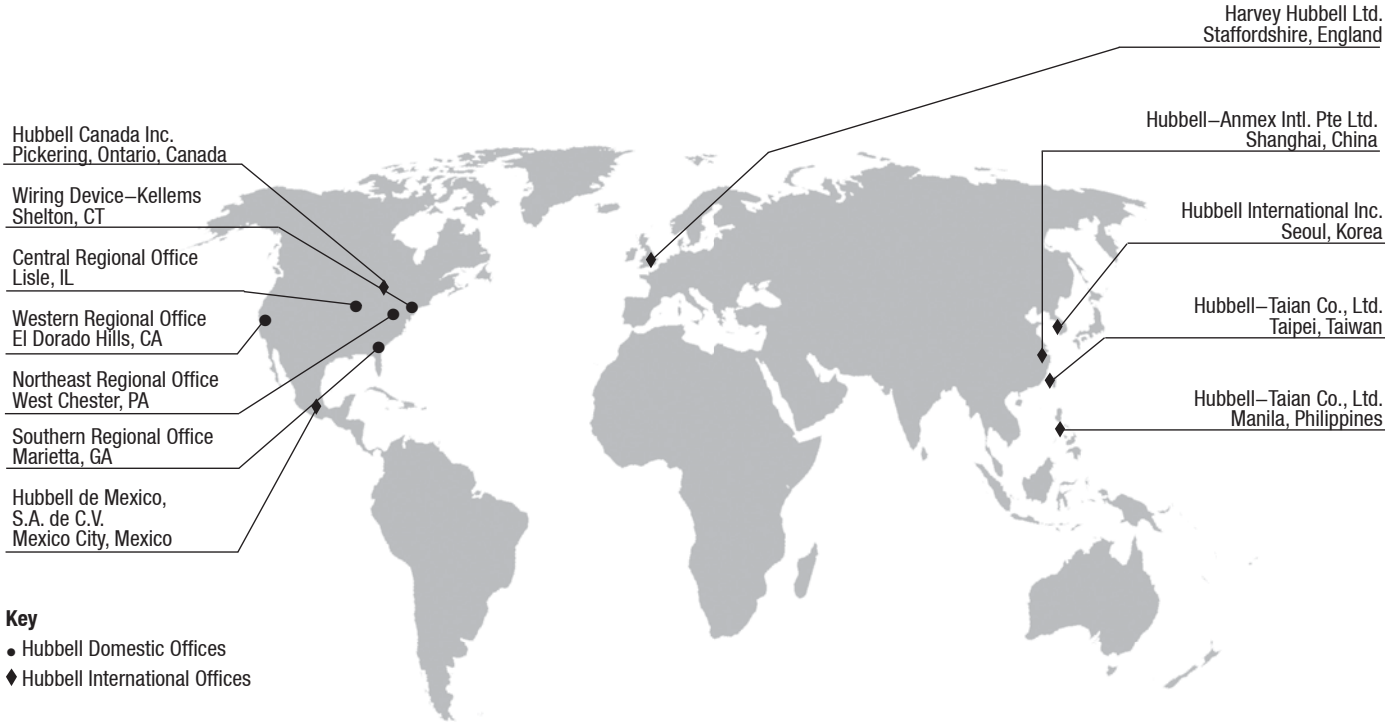

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