



RESIDENTIAL, HOME THEATER, AND COMMERCIAL A/V CABLING SOLUTIONS



HOME THEATER



RESIDENTIAL



COMMERCIAL A/V



CABLE CONNECTORS TOOLS ACCESSORIES POWER WALL PLATES CUSTOM PANELS RACKS

# TERMS & CONDITIONS

## Sales/Customer Service Hours

7:30 a.m. - 6 p.m. Central Time

Monday - Friday

Toll Free: 800-966-0069

Local Phone: 847-795-9555

Fax: 847-795-8770

[www.gepco.com](http://www.gepco.com)

## Address

Headquarters: 1770 Birchwood Avenue, Des Plaines, IL 60018

Branch Office: 1000 N. Lake Street, Burbank, CA 91502

Branch Office: 80 Red Schoolhouse Road Unit 110, Chestnut Ridge, NY 10977

## Orders

\$50 minimum order, most orders shipped from stock within 24 hours.

## Shipments

Made by UPS, Federal Express, or truck depending on urgency, weight, cost, and distance.

The most efficient method is used unless a specific carrier is requested.

F.O.B. = shipping point (ex: Chicago, Los Angeles, New York)

## Payment

C.O.D., Visa, Mastercard, American Express, or Net 30 upon approved credit.

## Returns

All material to be returned must have a Return Material Authorization

(RMA) number, obtained prior to shipment. All returns must be in original resellable condition accompanied by all original documentation (brochures, manuals, etc.).

Material returned must be sent freight prepaid in original factory packaging and

is subject to incoming inspection and a restocking charge. RMA's are valid for 45 days after issue.

No returns are accepted for goods after 90 days of original invoice date. Special order items,

non-catalog items, and custom-made products are noncancelable and nonreturnable.

## Cable Put-ups

Most catalog items are inventoried on large format "bulk" reels.

Almost any cable we carry can be cut to a specific length requirement. Industry

standard stock put-ups of 500' and 1000' have a shipping tolerance of +/- 10%.



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# COMPANY HISTORY

## COMPANY HISTORY



**W**ith over twenty-five years of experience in the manufacturing and distribution of cable and connectivity products, Gepco continues to be committed to product development and personal involvement with its customers and the industry.

Exclusively focused on cabling technology for professional audio and video applications, Gepco's product line began with its multi-pair series of cables. The product line soon grew to contain precision-grade video coax, including the first low-loss, gas-injected coax for serial digital video applications. Over the past three decades, Gepco has grown from a single product line to a complete range of professional audio and video cabling technology with international sales and distribution.

In addition to Gepco manufactured products, Gepco also stocks and distributes items such as connectors, tooling, and patchbays. By combining the extensive component and cable resources with Gepco's in-house manufacturing capabilities, custom cable assemblies and panel fabrication were soon added.

Together, this unique hybrid of manufacturing and distribution capabilities allows Gepco to be a true one-source supplier for cable and interconnect products.

As Gepco begins its next quarter of a century as the leading manufacturer of audio/video cabling solutions, the company continues to embrace advancing technology to ensure that it consistently provides the professional industry with innovative design, reliability and unparalleled quality products.



## INDUSTRY-LEADING SUPPORT, INVENTORY, AND PRODUCT KNOWLEDGE

### PROFESSIONAL SERVICE AND SUPPORT

With over twenty-five years in servicing the broadcast, professional A/V, and now residential markets, Gepco provides industry-leading customer service and support for a comprehensive range of cable and interconnect products.

### EXTENSIVE INVENTORY

Gepco's extensive stocking inventory and special order capabilities provide a complete array of interconnect solutions for any residential or commercial A/V installation.

### EXPERT PRODUCT KNOWLEDGE

Gepco's highly trained sales and technical support departments deliver exceptional product knowledge. Professional engineers, installers, and consultants consistently rely on Gepco for the latest application recommendations and technical support in cable and interconnect technology.

### RAPID SHIPPING AND ORDER FULFILLMENT

Most orders can be shipped the same or next day from Gepco's Chicago, IL, area or Burbank, CA, warehouse locations. Orders can be shipped via UPS, FedEx, or by a variety of ground or air carriers for larger, heavy weight shipments. In addition to domestic shipments, Gepco can also ship to almost any international location.



## AUTHORIZED DISTRIBUTOR FOR:



## Speaker Cable: Low-loss OFC

### OFC Speaker Cable for High Resolution Amplifier-to-Speaker Interconnects



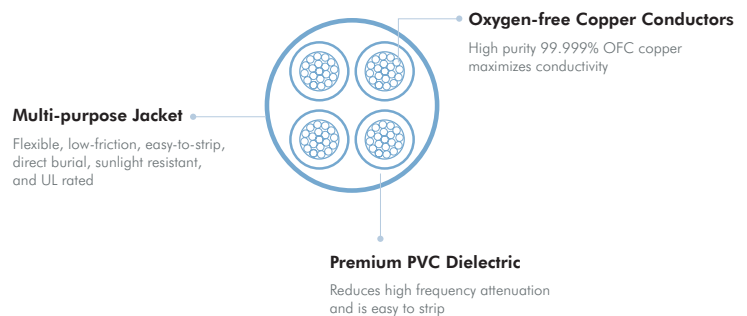
#### FEATURES & BENEFITS

- 99.999% OFC Copper  
High-purity oxygen-free copper maximizes conductivity and is corrosion resistant.
- Wide Frequency Response  
Premium-grade PVC dielectric reduces frequency-based cable attenuation.
- Direct Burial and Sunlight Resistant  
Multi-purpose jacket is flexible, easy to strip, sunlight resistant and suitable for direct burial applications.
- Two and Four-conductor Versions  
Available in two or four-channel versions for use in single or dual-channel/wire configurations.
- UL Rated for Permanent Installation  
Flame retardant and UL rated construction permits installation in conduit or in-wall locations.

The Low-loss OFC series of speaker cables is a versatile and high performance cabling solution for home theater and residential audio applications. Available in multiple gage and conductor versions, the Low-loss OFC series features a UL rated, direct burial and sunlight-resistant construction that is suitable for installation in a variety of locations.

These cables feature densely stranded, oxygen-free conductors and premium-grade PVC dielectrics. These materials ensure maximum power transfer, imaging, and dampening performance by maximizing conductivity and reducing attenuation.

The Low-loss OFC series has several time-saving, installer friendly features. The jacket is constructed from a color-coded, low-friction, easy-to-strip PVC compound that is easy to install and terminate. In addition, incremental footage markers are provided for quick measurement.



#### Mechanical Specifications

Part #	# of Conductors	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code)	Jacket (Type, Color)	UL Type	Approx. Weight
<b>162OFC65</b>	2	.236"	16 AWG (65x34) Oxygen-free BC, 4.0 Ω/Mft	PVC, .010", Black & Red	PVC, White	CL3/PLTC or CM	37 lbs/Mft
16 AWG x 2 High Resolution OFC Speaker Cable							
<b>164OFC65</b>	4	.272"	16 AWG (65x34) Oxygen-free BC, 4.0 Ω/Mft	PVC, .010", Black, White, Red, Green	PVC, Teal	CL3/PLTC or CM	61 lbs/Mft
16 AWG x 4 High Resolution OFC Speaker Cable							
<b>142OFC105</b>	2	.268"	14 AWG (105x34) Oxygen-free BC, 2.5 Ω/Mft	PVC, .012", Black & Red	PVC, White or Violet	CL3/PLTC	52 lbs/Mft
14 AWG x 2 High Resolution OFC Speaker Cable							
<b>144OFC105</b>	4	.312"	14 AWG (105x34) Oxygen-free BC, 2.5 Ω/Mft	PVC, .012", Black, White, Red, Green	PVC, Blue	CL3/PLTC	89 lbs/Mft
14 AWG x 4 High Resolution OFC Speaker Cable							



## Speaker Cable: Low-loss SSA

### Precision Speaker Cable for High Resolution Amplifier-to-Speaker Interconnects



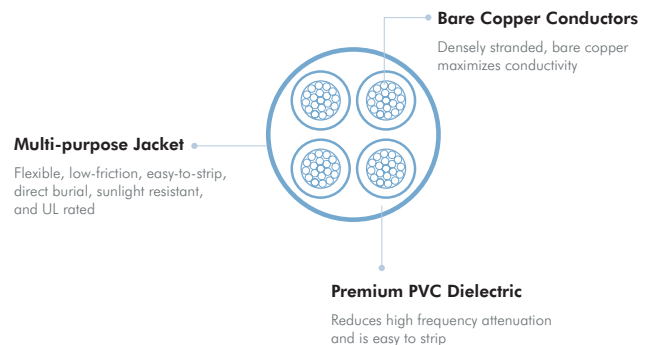
#### FEATURES & BENEFITS

- High-strand Bare Copper  
Densely stranded, bare-copper conductors maximize conductivity and are more cost effective.
- Wide Frequency Response  
Premium-grade PVC dielectric reduces frequency-based cable attenuation.
- Direct Burial and Sunlight Resistant  
Multi-purpose jacket is flexible, easy to strip, sunlight resistant and suitable for direct burial applications.
- Two and Four-conductor Versions  
Available in two or four-channel versions for use in single or dual-channel/wire configurations.
- UL Rated for Permanent Installation  
Flame retardant and UL rated construction permits installation in conduit or in-wall locations.

The Low-loss SSA series of speaker cables is a more cost effective and versatile cabling solution for home theater and residential audio applications. Available in multiple gage and conductor versions, the Low-loss SSA series features a UL rated, direct burial and sunlight-resistant construction that is suitable for installation in a variety of locations.

The SSA Series features a premium-grade PVC dielectric, with more economical, bare-copper conductors. These materials ensure maximum power transfer, imaging, and dampening performance by maximizing conductivity and reducing attenuation.

The Low-loss SSA series has several time-saving, installer friendly features. The jacket is constructed from a color-coded, low-friction, easy-to-strip PVC compound that is easy to install and terminate. In addition, incremental footage markers are provided for quick measurement.



#### Mechanical Specifications

Part #	# of Conductors	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code)	Jacket (Type, Color)	UL Type	Approx. Weight
<b>162SSA65</b>	2	.222"	16 AWG (65x34) Stranded BC, 4.0 Ω/Mft	PVC, .010", Red & Black	PVC, White	CM & CL3	37 lbs/Mft
	16 AWG x 2 Speaker Cable						
<b>164SSA65</b>	4	.250"	16 AWG (65x34) Stranded BC, 4.0 Ω/Mft	PVC, .009", Black, White, Red, Green	PVC, White	CM & CL3	61 lbs/Mft
	16 AWG x 4 Speaker Cable						
<b>142SSA41</b>	2	.252"	14 AWG (41x30) Stranded BC, 2.5 Ω/Mft	PVC, .011", Black & Red	PVC, White	CL3	52 lbs/Mft
	14 AWG x 2 Speaker Cable						
<b>144SSA41</b>	4	.297"	14 AWG (41x30) Stranded BC, 2.5 Ω/Mft	PVC, .012", Black, White, Red, Green	PVC, White	CL3	89 lbs/Mft
	14 AWG x 4 Speaker Cable						
<b>122SSA105</b>	2	.306"	12 AWG (105x32) Stranded BC, 1.5 Ω/Mft	PVC, .011", Black & Red	PVC, White	CL3	66 lbs/Mft
	12 AWG x 2 Speaker Cable						
<b>124SSA105</b>	4	.364"	12 AWG (105x32) Stranded BC, 1.5 Ω/Mft	PVC, .011", Black, White, Red, Green	PVC, White	CL3	120 lbs/Mft
	12 AWG x 4 Speaker Cable						

## Speaker Cable: High Bandwidth OFC

### Low-capacitance, Extra-flexible, Oxygen-free Speaker Cable



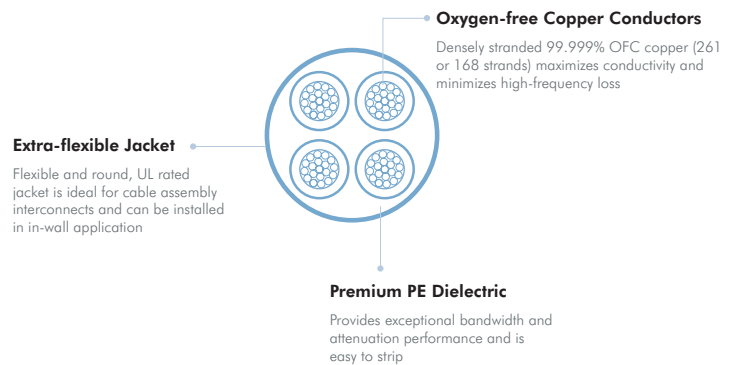
#### FEATURES & BENEFITS

- 99.999% OFC Copper  
High-purity oxygen-free copper maximizes conductivity and is corrosion resistant.
- Extended Frequency Response  
Premium-grade PE dielectric has the lowest dielectric constant, reducing frequency-based cable attenuation.
- Extra-flexible and Round Jacket  
Outer jacket is extra-flexible and round to provide exceptional flexibility and durability.
- Two and Four-conductor Versions  
Available in two or four-channel versions for use in single or dual-channel/wire configurations.
- UL Rated for Permanent Installation  
Flame retardant and UL rated construction permits installation in conduit or in-wall locations.

The new HBW series of high-bandwidth speaker cables offers exceptional stereo imaging and transient response, wide bandwidth, and extra flexibility, all in an easy-to-terminate design. The HBW series is available in 12 or 14 gage types in 2 or 4 conductor versions.

All conductors consist of high-density, oxygen-free copper to provide maximum conductivity and power transfer. To further reduce the attenuation and increase the bandwidth of the cable, each conductor is coated with a low-loss, premium-grade, polyethylene dielectric compound. For the outer jacket, the HBW features a round and extra-flexible TPE matte jacket.

Built for easy termination in a variety of applications, the HBW series features easy-to-strip dielectric and jacket compounds that are also exceptionally flexible and UL rated. These characteristics not only reduce installation time, but they also allow the HBW series to be installed in both in-room and in-wall environments.



#### Mechanical Specifications

Part #	# of Conductors	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Jacket (Type, Color)	UL Type	Approx. Weight
<b>142HBW</b>	2	.350"	14 AWG (3x56/36) Oxygen-free BC, 2.5 Ω/Mft	PE, .020", Black & White, 20 pF/ft	TPE, Black	CL3	68 lbs/Mft
14 AWG x 2 High Bandwidth OFC Speaker Cable							
<b>144HBW</b>	4	.410"	14 AWG (3x56/36) Oxygen-free BC, 2.5 Ω/Mft	PE, .020", Black, White, Red, Green, 20 pF/ft	TPE, Black	CL3	45 lbs/Mft
14 AWG x 4 High Bandwidth OFC Speaker Cable							
<b>122HBW</b>	2	.390"	12 AWG (3x87/36) Oxygen-free BC, 1.5 Ω/Mft	PE, .020", Black & White, 20 pF/ft	TPE, Black	CL3	93 lbs/Mft
12 AWG x 2 High Bandwidth OFC Speaker Cable							
<b>124HBW</b>	4	.480"	12 AWG (3x87/36) Oxygen-free BC, 1.5 Ω/Mft	PE, .020", Black, White, Red, Green, 20 pF/ft	TPE, Black	CL3	169 lbs/Mft
12 AWG x 4 High Bandwidth OFC Speaker Cable							



# Speaker Cable: Dual-zip OFC

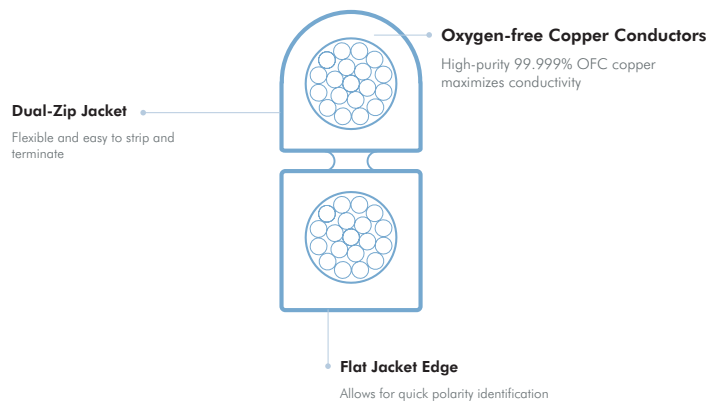
## High-purity Oxygen-free Cable for Amplifier-to-Speaker Interconnects



High-purity, densely stranded, oxygen-free speaker cable for high-resolution speaker-to-amplifier interconnects. Each conductor is constructed from 423 or 259 strands of 99.999% oxygen-free bare copper. The exceptionally high conductivity of these strands minimizes the series resistance of the cable, thereby reducing the power loss and improving amplifier-to-speaker dampening performance. These characteristics improve the power efficiency, low-frequency response and stereo imaging. The outer jacket is constructed of a transparent PVC compound that is flexible and easy to strip.

### FEATURES & BENEFITS

- **99.999% Oxygen-free Copper**  
High-purity oxygen-free copper maximizes conductivity and is corrosion resistant.
- **Wide Frequency Response**  
Premium-grade PVC dielectric reduces frequency-based cable attenuation.
- **Dual-zip Jacket**  
Outer jacket is a coextruded PVC that is easy to strip and terminate.
- **Ten and Twelve-gage Versions**  
Densely stranded, heavy-gage conductors for exceptionally low power loss.
- **Easy Polarity Identification**  
Flat edge and cable print allow for quick polarity identification.

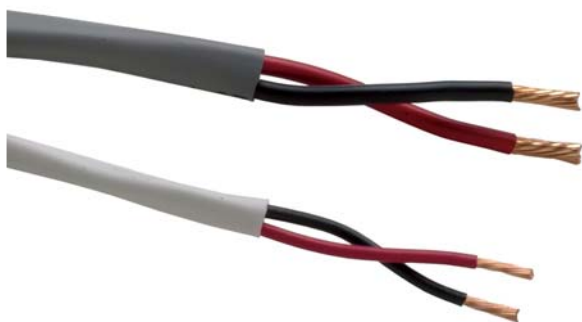


### Mechanical Specifications

Part #	# of Conductors	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick)	Conductor Identification	Approx. Weight
<b>GSC102OFC</b>	2	.225" x .455"	10 AWG (413x36) Stranded Oxygen-free BC, 1.0 Ω/Mft	Transparent PVC, .048"	One leg legend, one leg plain	88 lbs/Mft
<i>10 AWG Dual-zip OFC Speaker Cable</i>						
<b>GSC122OFC</b>	2	.182" x .370"	12 AWG (259x36) Stranded Oxygen-free BC, 1.6 Ω/Mft	Transparent PVC, .040"	One leg legend, one leg plain	65 lbs/Mft
<i>12 AWG Dual-zip OFC Speaker Cable</i>						

## Architectural Audio Cable

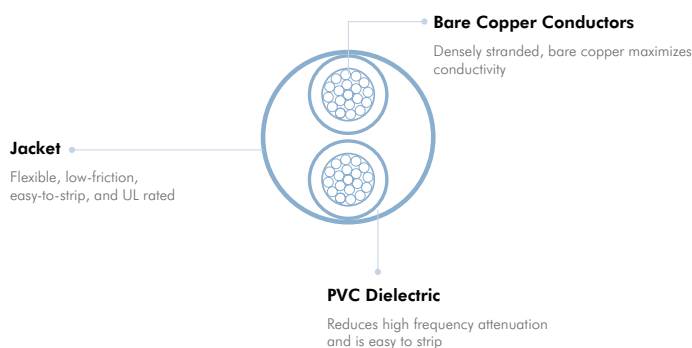
### Two-conductor Cables for Audio Distribution



General purpose, economical speaker cable for permanent installation in conduit, walls, or ceilings. The conductive elements consist of stranded, bare copper conductors that are insulated with a PVC insulation compound. The outer jacket is extruded from a low-friction PVC that is easy to install and pull through conduit. Available in 12 through 18 gage, each version is manufactured in both UL rated plenum or nonplenum constructions.

#### FEATURES & BENEFITS

- Stranded Bare Copper
- Unshielded
- PVC Insulation
- Economic Construction
- UL Rated for Permanent Installation



Mechanical Specifications							
Part #	# of Pairs	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code)	Jacket (Type, Colors)	UL Type	Approx. Weight
<b>IR122BA19</b>	1	.256"	12 AWG (19x25) Stranded BC, 1.59 Ω/Mft	PVC, .011", Black & Red	PVC, Gray	CL3R	58 lbs/Mft
12 AWG x 2 Unshielded Speaker Cable: Riser							
<b>IP122BA19</b>	1	.258"	12 AWG (19x25) Stranded BC, 1.59 Ω/Mft	Plenum PVC, .011", Black & Red	Plenum PVC, White	CL3P	62 lbs/Mft
12 AWG x 2 Unshielded Speaker Cable: Plenum							
<b>IR142BA19</b>	1	.212"	14 AWG (19x27) Stranded BC, 2.53 Ω/Mft	PVC, .011", Black & Red	PVC, Gray	CL3R	38 lbs/Mft
14 AWG x 2 Unshielded Speaker Cable: Riser							
<b>IP142BA19</b>	1	.215"	14 AWG (19x27) Stranded BC, 2.53 Ω/Mft	Plenum PVC, .010", Black & Red	Plenum PVC, White	CL3P	41 lbs/Mft
14 AWG x 2 Unshielded Speaker Cable: Plenum							
<b>IR162BA19</b>	1	.180"	16 AWG (19x29) Stranded BC, 4.0 Ω/Mft	PVC, .010", Black & Red	PVC, Gray	CMR, CMG, CL3R	26 lbs/Mft
16 AWG x 2 Unshielded Speaker Cable: Riser							
<b>IP162BA19</b>	1	.170"	16 AWG (19x29) Stranded BC, 4.0 Ω/Mft	Plenum PVC, .009", Black & Red	Plenum PVC, White	CMP, CL3P	27 lbs/Mft
16 AWG x 2 Unshielded Speaker Cable: Plenum							
<b>IR182BA7</b>	1	.152"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	PVC, .008", Black & Red	PVC, Gray	CMR, CMG, CL3R	18 lbs/Mft
18 AWG x 2 Unshielded Speaker Cable: Riser							
<b>IP182BA7</b>	1	.148"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	Plenum PVC, .008", Black & Red	Plenum PVC, White	CMP, CL3P	20 lbs/Mft
18 AWG x 2 Unshielded Speaker Cable: Plenum							
<b>IR202BA7</b>	1	.132"	20 AWG (7x28) Stranded BC, 10.1 Ω/Mft	PVC, .008", Black & Red	PVC, Gray	CMR, CMG, CL3R	14 lbs/Mft
20 AWG x 2 Unshielded Audio & Control Cable: Riser							
<b>IP202BA7</b>	1	.116"	20 AWG (7x28) Stranded BC, 10.1 Ω/Mft	Plenum PVC, .008", Black & Red	Plenum PVC, White	CMR, CMG, CL3R	14 lbs/Mft
20 AWG x 2 Unshielded Audio & Control Cable: Plenum							
<b>IR222BA7</b>	1	.116"	22 AWG (7x30) Stranded BC, 14.8 Ω/Mft	PVC, .007", Black & Red	PVC, Gray	CMR, CMG, CL3R	10 lbs/Mft
22 AWG x 2 Unshielded Audio & Control Cable: Riser							
<b>IP222BA7</b>	1	.114"	22 AWG (7x30) Stranded BC, 14.8 Ω/Mft	Plenum PVC, .008", Black & Red	Plenum PVC, White	CMP or CL3P	11 lbs/Mft
22 AWG x 2 Unshielded Audio & Control Cable: Plenum							

# Architectural Audio Cable: Shielded

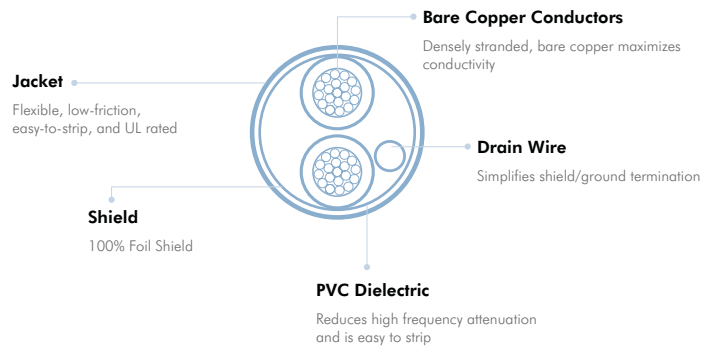
## Two-conductor Cables for Audio Distribution



### FEATURES & BENEFITS

- Stranded Bare Copper
- Shielded with Drain Wire
- PVC Insulation
- Economical Construction
- UL Rated for Permanent Installation

General purpose, economical speaker cable for permanent installation in conduit, walls, or ceilings. The conductive elements consist of stranded, bare copper conductors that are insulated with a PVC insulation compound. For added noise rejection and suppression, the conductors are shielded with a durable 100% foil/mylar and tinned copper drain wire. The outer jacket is extruded from a low-friction PVC that is easy to install and pull through conduit. Available in 12 through 18 gage, each version is manufactured in both UL rated plenum or nonplenum constructions.

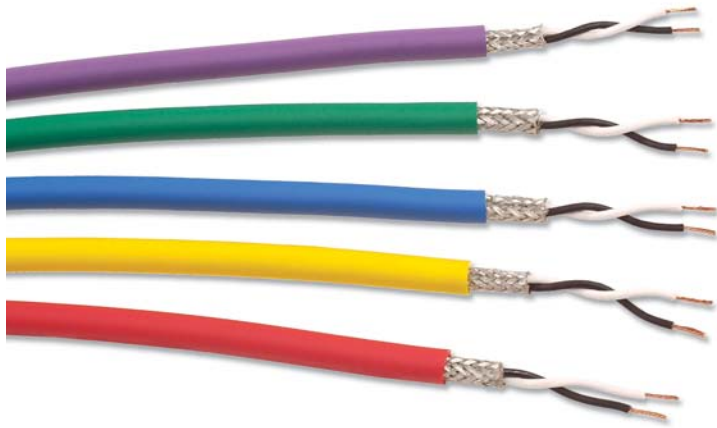


### Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code)	Shield	Drain Wire	Jacket (Type, Colors)	UL Type	Approx. Weight
<b>IR122AL</b>	1	.274"	12 AWG (19x25) Stranded BC, 1.59 Ω/Mft	PVC, .012", Black & Red	100% Foil	16 AWG (19x29) Stranded TC	PVC, Gray	CL3R	68 lbs/Mft
	12 AWG x 2 Shielded Speaker Cable: Riser								
<b>IP122AL</b>	1	.255"	12 AWG (19x25) Stranded BC, 1.59 Ω/Mft	Plenum PVC, .011", Black & Red	100% Foil	16 AWG (19x29) Stranded TC	Plenum PVC, White	CL3P	69 lbs/Mft
	12 AWG x 2 Shielded Speaker Cable: Plenum								
<b>IR142AL</b>	1	.218"	14 AWG (19x27) Stranded BC, 2.5 Ω/Mft	PVC, .012", Black & Red	100% Foil	18 AWG (7x26) Stranded TC	PVC, Gray	CL3R	43 lbs/Mft
	14 AWG x 2 Shielded Speaker Cable: Riser								
<b>IP142AL</b>	1	.215"	14 AWG (19x27) Stranded BC, 2.5 Ω/Mft	Plenum PVC, .010", Black & Red	100% Foil	18 AWG (7x26) Stranded TC	Plenum PVC, White	CL3P	46 lbs/Mft
	14 AWG x 2 Shielded Speaker Cable: Plenum								
<b>IR162AL</b>	1	.177"	16 AWG (19x29) Stranded BC, 4.0 Ω/Mft	PVC, .010", Black & Red	100% Foil	20 AWG (7x28) Stranded TC	PVC, Gray	CMR, CMG, CL3R	29 lbs/Mft
	16 AWG x 2 Shielded Speaker Cable: Riser								
<b>IP162AL</b>	1	.182"	16 AWG (19x29) Stranded BC, 4.0 Ω/Mft	Plenum PVC, .009", Black & Red	100% Foil	20 AWG (7x28) Stranded TC	Plenum PVC, White	CMP, CL3P	32 lbs/Mft
	16 AWG x 2 Shielded Speaker Cable: Plenum								
<b>IR182AL</b>	1	.156"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	PVC, .008", Black & Red	100% Foil	22 AWG (7x30) Stranded TC	PVC, Gray	CMR, CMG, CL3R	21 lbs/Mft
	18 AWG x 2 Shielded Speaker Cable: Riser								
<b>IP182AL</b>	1	.156"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	Plenum PVC, .008", Black & Red	100% Foil	22 AWG (7x30) Stranded TC	Plenum PVC, White	CMP, CL3P	23 lbs/Mft
	18 AWG x 2 Shielded Speaker Cable: Plenum								
<b>IR202AL</b>	1	.130"	20 AWG (7x28) Stranded BC, 10.1 Ω/Mft	PVC, .008", Black & Red	100% Foil	24 AWG (7x32) Stranded TC	PVC, Gray	CMR, CMG, CL3R	15 lbs/Mft
	20 AWG x 2 Shielded Audio & Control Cable: Riser								
<b>IP202AL</b>	1	.130"	20 AWG (7x28) Stranded BC, 10.1 Ω/Mft	Plenum PVC, .008", Black & Red	100% Foil	24 AWG (7x32) Stranded TC	Plenum PVC, White	CMP or CL3P	16 lbs/Mft
	20 AWG x 2 Shielded Audio & Control Cable: Plenum								
<b>IR222AL</b>	1	.116"	22 AWG (7x30) Stranded BC, 14.8 Ω/Mft	PVC, .008", Black & Red	100% Foil	24 AWG (7x32) Stranded TC	PVC, Gray	CMR, CMG, CL3R	12 lbs/Mft
	22 AWG x 2 Shielded Audio & Control Cable: Riser								
<b>IP222AL</b>	1	.116"	22 AWG (7x30) Stranded BC, 14.8 Ω/Mft	Plenum PVC, .007", Black & Red	100% Foil	24 AWG (7x32) Stranded TC	Plenum PVC, White	CMP or CL3P	13 lbs/Mft
	22 AWG x 2 Shielded Audio & Control Cable: Plenum								

## X-Band Balanced Cable

### High Bandwidth, Extra-flexible Design for Balanced Analog Audio



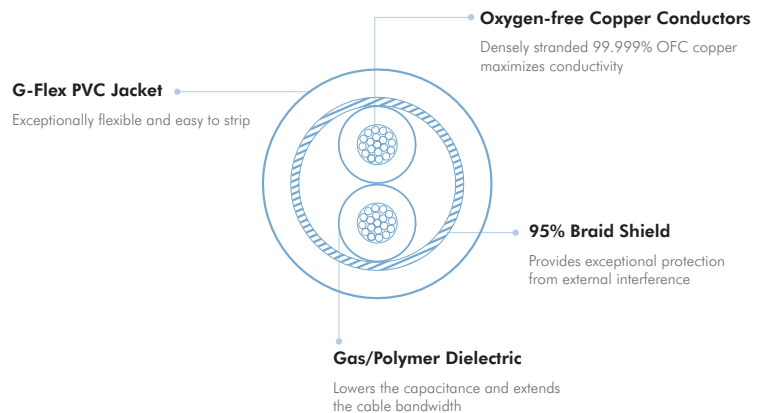
#### FEATURES & BENEFITS

- Extra-flexible  
Matte finish G-Flex PVC jacket is exceptionally flexible and easy to strip.
- Wide Bandwidth  
Low capacitance design (17pF/ft) significantly reduces high-frequency cable attenuation, improving both the bandwidth and transient response.
- 22 Gage Oxygen-free Conductors  
High-purity oxygen-free copper maximizes conductivity and is corrosion resistant.
- Data-grade, Gas/Polymer Dielectric  
Unique foam dielectric reduces the capacitance of the cable to achieve the wide bandwidth characteristics.
- Dense 95% Copper Braid  
Tight-angle, tinned-copper braid shields pairs from external interference and is flexible and durable.
- Exceptional RF/EMI & Common-mode Noise Rejection  
Precision twisting coupled with capacitive balancing between conductors ensures exceptional noise rejection and cancellation.

Gepco's new extra-flexible, high bandwidth X-Band cable series has been specifically designed for use in critical balanced audio applications.

The X-Band series features an extended frequency response and exceptional RF/EMI noise rejection. The bandwidth and rejection characteristics are achieved through precision pair twisting and a video-grade foam dielectric that significantly reduces the capacitance. Conductors are finely stranded, oxygen-free copper to maximize conductivity and protect against corrosion. For shielding and additional noise rejection, each pair is shielded with a dense 95% copper braid.

The X-Band microphone series is also exceptionally flexible. This series features Gepco's new G-Flex jacket compound and enhanced core geometry. The X-Band microphone series is available in six color options.

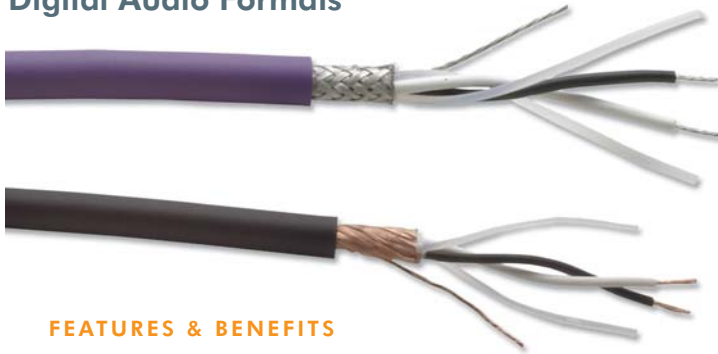


Mechanical Specifications								
Part #	# of Pairs	Nominal OD	Conductors	Insulation (Type, Wall Thick, Color Code)	Shield	Jacket	Jacket Colors	Approx. Weight
<b>XB201M</b>	1	.240"	22 AWG (41x38) Stranded Oxygen-free BC	Foam Polypropylene, .015", White & Black	95% TC Braid	Flexible Matte PVC	Black, Red, Yellow, Green, Blue, Violet	38 lbs/Mft
Electrical Specifications								
Capacitance						Cond. DCR		
17 pF/ft between conductors, 30.6 pF/ft between one conductor and other tied to shield						10.5 Ω/Mft		



# 110Ω AES/EBU Digital Audio Twisted-pair

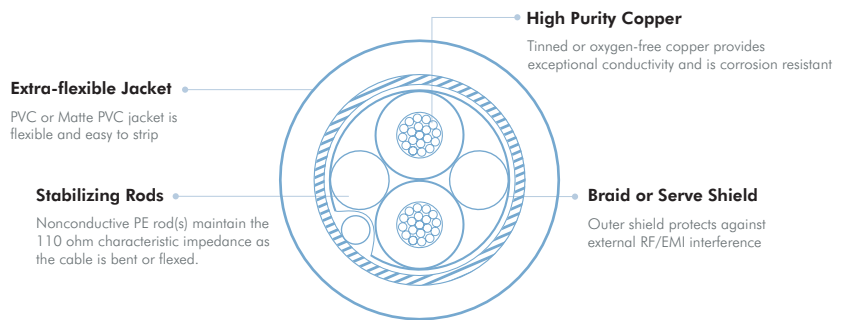
## Precision Impedance, Balanced Cables for AES3 Digital Audio Formats



### FEATURES & BENEFITS

- Precision 110Ω Impedance  
All DS series cables have a precision 110Ω, low-capacitance, gas/polymer dielectric.
- Low Attenuation and Jitter  
Impedance-stabilizing rods and low return-loss reduce cable-induced jitter and attenuation.
- 25MHz Bandwidth for 192kHz Sampling Rates  
An extended 25kHz bandwidth allows for transmission of digital audio formats up to stereo 192kHz/24bit.

The DS series of AES/EBU digital audio cables have a precision 110Ω impedance and a 25MHz bandwidth for transmission of digital audio formats up to 192kHz/24bit. Featuring low jitter and attenuation and impedance-stabilizing rods, the DS series delivers professional-grade performance in a variety of permanent installation and extra-flexible constructions. The DS series also features improved flexibility and is easy to strip and terminate.



### Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductors	Dielectric (Type, Wall Thick, Color Code)	Fillers	Shield	Drain	Jacket (Type, Colors)	UL Type	Approx. Weight
<b>DS401M</b>	1	.235"	24 AWG (41x40) Stranded TC	Foam PE, .021", One White, One Black	Solid Virgin Polyethylene Rods (2)	95% TC Braid	24 AWG (41x40) Stranded TC	Flexible Matte PVC, Violet	-----	27 lbs/Mft
<i>110Ω Single-pair: Extra-flexible</i>										
<b>DS601M</b>	1	.199"	26 AWG (30x40) Stranded Oxygen-free BC	Foam PP, .016", White & Black	Solid Virgin Polyethylene Rods (2)	98% Oxygen-free BC Spiral Serve	Yes	Flexible Matte PVC, Black	-----	19 lbs/Mft
<i>Thin Profile 110Ω Single-pair: Extra-flexible</i>										
<b>DS401</b>	1	.180"	24 AWG (7x32) Stranded TC	Foam PE, .021", One White, One Black	Solid Virgin Polyethylene Rod	100% Foil	22 AWG (7x30) Stranded TC	PVC, Violet or Black	CMR	13 lbs/Mft
<i>110Ω Single-pair</i>										
<b>DS601</b>	1	.143"	26 AWG (7x34) Stranded TC	Foam PP, .015", White & Black	-----	100% Foil	24 AWG (7x32) Stranded TC	PVC, Black	CM	10 lbs/Mft
<i>Thin Profile 110Ω Single-pair</i>										
<b>DS401D</b>	2	.370" x .180"	24 AWG (7x32) Stranded TC	Foam PE, .021", One White, One Black	Solid Virgin Polyethylene Rod	100% Foil	24 AWG (7x32) Stranded TC	PVC, Violet with Red Stripe	CMR	126 lbs/Mft
<i>110Ω Dual-pair</i>										
<b>DS601D</b>	2	.143" x .290"	26 AWG (7x34) Stranded TC	Foam PP, .015", White & Black	-----	100% Foil	24 AWG (7x32) Stranded TC	PVC, Black with Red Stripe	CM	21 lbs/Mft
<i>Thin Profile 110Ω Dual-pair</i>										

### Electrical Specifications

Part #	Impedance	Capacitance	Cond. DCR	Drain DCR	Attenuation (dB per 100 ft)				
					1MHz	3MHz	6MHz	123MHz	25MHz
DS401M	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other tied to shield	25.6 Ω/Mft	25.6 Ω/Mft	.60	.90	1.60	2.30	3.40
DS601M	110 Ω	14 pF/ft between conductors, 27 pF/ft between one conductor and other tied to shield	38.5 Ω/Mft	38.5 Ω/Mft	0.65	1.50	2.70	4.60	7.80
DS401/DS401D	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other tied to shield	23.8 Ω/Mft	15.3 Ω/Mft	0.90	1.30	1.60	2.15	4.10
DS601/DS601D	110 Ω	14 pF/ft between conductors, 27 pF/ft between one conductor and other tied to shield	38.5 Ω/Mft	23.8 Ω/Mft	1.25	1.85	2.40	3.16	4.20

## Single & Dual-pair: Balanced Audio Cable

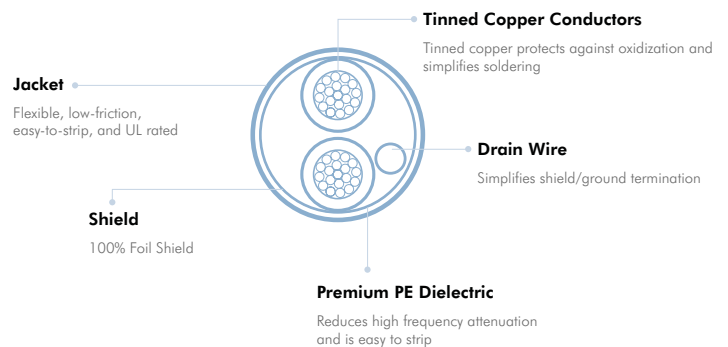
### Audio Cables for Microphone or Line-level Signals



Industry-standard balanced audio cable for permanent installation. Stranded tinned-copper conductors are easy to solder or punch-down. A high-grade polyethylene dielectric is used to minimize high-frequency attenuation, while excellent process control and tight pair twisting achieves superior noise rejection. Foil shield with same gage drain wire facilitates quick shield termination. Twenty-two or twenty-four gage conductors provide low DC resistance and attenuation. Ideal for punch-down, rack wiring, and extended-distance runs of microphone or line-level signals.

#### FEATURES & BENEFITS

- Low Attenuation
- Low Crosstalk
- Easy to Terminate
- Polyethylene, Teflon, or Halar Dielectric
- Easy-strip, Bonded Foil Shield (EZ Versions)
- CMR Riser, CMP Plenum or CM Rated



#### Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductors	Insulation (Type, Wall Thick, Color Code)	Shield	Drain Wire	Jacket	Jacket Colors	UL Type	Approx. Weight
<b>61801</b>	1	.140"	22 AWG (7x30) Stranded TC	PE, .010", Red & Black	100% Foil	22 AWG (7x30) Stranded TC	PVC	Black or Gray	CMR	13 lbs/Mft
<i>Standard Single-pair</i>										
<b>61801EZ</b>	1	.138"	22 AWG (7x30) Stranded TC	PE, .008", Red & Black	100% Foil (Bonded)	22 AWG (7x30) Stranded TC	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	15 lbs/Mft
<i>Standard Single-pair: Easy-strip</i>										
<b>61801HS</b>	1	.134"	22 AWG (7x30) Stranded TC	Halar, .010", Red & Black	100% Foil	22 AWG (7x30) Stranded TC	Plenum PVC	White	CMP 75°C	13 lbs/Mft
<i>Plenum Single-pair</i>										
<b>72401EZ</b>	1	.115"	24 AWG (7x32) Stranded TC	PE, .008", Red & Black	100% Foil (Bonded)	24 AWG (7x32) Stranded TC	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CM	10 lbs/Mft
<i>Thin Profile Single-pair: Easy-strip</i>										
<b>D61801EZGF</b>	2	.140" x .290"	24 AWG (7x32) Stranded TC	PE, .008", Red & Black	100% Foil (Bonded)	24 AWG (7x32) Stranded TC	Riser Gep-Flex TPE	Blue with Red Stripe	CMR	27 lbs/Mft
<i>Flexible Dual-pair: Easy-strip</i>										
<b>D72401EZGF</b>	2	.130" x .265"	22 AWG (7x30) Stranded TC	PE, .008", Red & Black	100% Foil (Bonded)	22 AWG (7x30) Stranded TC	Gep-Flex TPE	Black with Red Stripe	CM	22 lbs/Mft
<i>Thin Profile Dual-pair: Extra-flexible &amp; Easy-strip</i>										

#### Electrical Specifications

Part #	Capacitance	Cond. DCR	Drain DCR
61801	26 pF/ft between conductors, 48 pF/ft between one conductor and other tied to shield	15.3 Ω/Mft	15.3 Ω/Mft
61801EZ / D61801EZGF	34 pF/ft between conductors, 62 pF/ft between one conductor and other tied to shield	15.3 Ω/Mft	15.3 Ω/Mft
61801HS	28 pF/ft between conductors, 52 pF/ft between one conductor and other tied to shield	15.3 Ω/Mft	15.3 Ω/Mft
72401EZ / D72401EZGF	28 pF/ft between conductors, 51 pF/ft between one conductor and other tied to shield	23.8 Ω/Mft	23.8 Ω/Mft

## Unbalanced Line-level: Dual 24 AWG OFC

### Low-loss Dual Unbalanced Audio Cable



#### FEATURES & BENEFITS

- 99.999% OFC Copper
- Low-loss Dielectric
- Line-level Audio
- Color Stripe for Easy Channel Identification
- UL Rated for Permanent Installation

Mechanical Specifications									
Part #	# of Conductors	Nominal OD	Conductor (Type, DCR)	Insulation (Type, OD, Capacitance)	Shield	Jacket (Type, Color)	UL Type	Approx. Weight	
<b>242LCL</b>	2	.135" x .275"	24 AWG (40x40) Stranded Oxygen-free BC, 23.8 Ω/Mft	Foam PE, .068", 28 pF/ft	95% TC Braid	PVC, Black with Red Stripe	CM	13 lbs/Mft	
<i>24 AWG Dual Unbalanced Line-level Cable</i>									

## Unbalanced Line-level: Low-capacitance 20 AWG

### Low-capacitance Unbalanced Audio Cable



#### FEATURES & BENEFITS

- Low-loss 20 AWG Conductor
- Ultra-low Capacitance
- Line-level Audio
- Flexible PVC Jacket
- UL Rated for Permanent Installation

Mechanical Specifications									
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight
<b>201FVT9</b>	1	.242"	20 AWG Solid BC	Gas-injected Foam PE, .146"	95% TC Braid, 100% Foil	PVC	Black, Red, Green, Blue	CMX	36 lbs/Mft
<i>Low-capacitance 20 AWG Unbalanced Audio Cable</i>									

Electrical Specifications																	
Impedance	Return Loss (100kHz-3GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Nominal Attenuation (dB per 100 ft)											
						1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz
75 Ω (+/-3)	>17dB	16.3 pF/ft	10.2 Ω	3.5 Ω	83%	0.28	0.53	0.86	2.05	2.71	3.80	4.38	6.40	7.57	9.29	11.57	13.36

## High Definition Coax

### Precision 75Ω Coax for Uncompressed HDTV Video



Precision, low-loss coax for uncompressed 1.485Gb/s Digital HDTV, SDI, and analog video transmission. With a 4.5GHz bandwidth, the High Definition coax series can be used in a variety of digital or analog broadcast, commercial, or residential video applications.

The High Definition series utilizes a proprietary gas-injected dielectric that reduces the high-frequency attenuation and provides exceptionally low return-loss. The high-purity, solid-copper center conductor has a precision overall diameter for exceptional electrical characteristics, while the double foil and braid shield provides broadband rejection from external RF and EMI interference.

Available in Riser and Plenum rated versions, all Gepeco High Definition coaxial cables have a low-friction and easy-to-strip jacket that simplifies cable installation and termination.

#### FEATURES & BENEFITS

- Precision 75Ω Impedance  
The characteristic impedance has precision tolerance specifications to prevent impedance mismatching that can lead to reflections, jitter, and bit-errors.
- 4.5GHz Bandwidth  
Extended 4.5GHz cable bandwidth guarantees SRL, attenuation, and impedance specifications for accurate transmission of uncompressed 1.485Gb/s HDTV signals.
- Gas-injected Dielectric  
Proprietary, Nitrogen-injected, blended polyethylene dielectric provides uniform cell structure, crush resistance, and low structural return loss.
- 100% Swept Test to SMPTE 292M Standards  
All reels are swept test to meet or exceed the SMPTE 292M standards for High Definition video interconnects.
- UL Rated for Permanent Installation  
Outer jacket is UL listed for permanent installation.

#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight
VHD1100	1	.405"	14 AWG Solid BC	Gas-injected Foam PE, .285"	95% TC Braid, 100% Foil	PVC	Black, Others by Special Order	CMR	76 lbs/Mft
Extended Distance RG11 HD Coax									
VHD1100TK	1	.346"	14 AWG Solid BC	Gas-injected Foam FEP, .285"	95% TC Braid, 100% Foil	PVDF	White, Others by Special Order	CMP	78 lbs/Mft
Extended Distance RG11 HD Coax: Plenum									
VHD7000	1	.320"	16 AWG Solid BC	Gas-injected Foam PE, .223"	95% TC Braid, 100% Foil	PVC	Black, Others by Special Order	CMR	50 lbs/Mft
Extended Distance RG7 HD Coax									
VSD2001	1	.272"	18 AWG Solid BC	Gas-injected Foam PE, .180"	95% TC Braid, 100% Foil	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	42 lbs/Mft
Low-loss RG6 HD Coax									
VSD2001TS	1	.237"	18 AWG Solid BC	Gas-injected Foam FEP, .170"	95% TC Braid, 100% Foil	Plenum PVC	White, Others by Special Order	CMP	40 lbs/Mft
Low-loss RG6 HD Coax: Plenum									
VPM2000	1	.242"	20 AWG Solid BC	Gas-injected Foam PE, .146"	95% TC Braid, 100% Foil	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	35 lbs/Mft
Low-loss RG59 HD Coax									
VPM2000TS	1	.200"	20 AWG Solid BC	Gas-injected Foam FEP, .135"	95% TC Braid, 100% Foil	Plenum PVC	White, Others by Special Order	CMP	32 lbs/Mft
Low-loss RG59 HD Coax: Plenum									

#### Electrical Specifications

Part #	Impedance	Return Loss (100kHz-1GHz), (1GHz-4.5GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Nominal Attenuation (dB per 100 ft)											
							1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	3 GHz	4.5 GHz
VHD1100	75 Ω (+/-2)	>23dB, >21dB	16.2 pF/ft	2.5 Ω	1.5 Ω	84%	0.14	0.28	0.43	1.02	1.40	1.92	2.25	3.30	3.86	4.73	6.72	8.75
VHD1100TK	75 Ω (+/-2)	>23dB, >21dB	16.0 pF/ft	2.5 Ω	1.5 Ω	84%	0.14	0.25	0.40	1.04	1.45	2.20	2.68	4.20	5.23	6.80	10.14	13.30
VHD7000	75 Ω (+/-2)	>23dB, >21dB	16.2 pF/ft	4.0 Ω	1.9 Ω	84%	0.16	0.34	0.54	1.28	1.70	2.40	2.80	4.05	4.80	5.89	8.40	10.90
VSD2001	75 Ω (+/-2)	>23dB, >21dB	16.3 pF/ft	6.4 Ω	2.8 Ω	83%	0.22	0.43	0.70	1.60	2.10	2.96	3.40	4.95	5.87	7.30	10.65	13.28
VSD2001TS	75 Ω (+/-2)	>23dB, >21dB	16.0 pF/ft	6.4 Ω	2.8 Ω	84%	0.22	0.45	0.73	1.72	2.35	3.36	3.98	6.08	7.23	9.13	13.64	16.98
VPM2000	75 Ω (+/-2)	>23dB, >21dB	16.3 pF/ft	10.2 Ω	3.5 Ω	83%	0.28	0.53	0.86	2.05	2.71	3.80	4.38	6.40	7.57	9.29	13.36	16.39
VPM2000TS	75 Ω (+/-2)	>23dB, >21dB	16.0 pF/ft	10.2 Ω	3.5 Ω	84%	0.28	0.55	0.88	2.10	2.85	4.10	4.85	7.24	9.00	11.42	17.50	27.50



# Miniature HD Coax

## Precision 75Ω Coax for Uncompressed HDTV Video



Precision, low-loss coax for uncompressed 1.485Gb/s Digital HDTV, SDI, and analog video transmission. With a 4.5GHz bandwidth (VDM230 & VDM260) or 1GHz bandwidth (VDM250), the Miniature Coax series can be used in a variety of digital or analog broadcast, commercial, or residential video applications.

The Miniature Coax series utilizes a proprietary gas-injected dielectric that reduces the high-frequency attenuation and provides exceptionally low return-loss. The high-purity, copper center conductor has a precision overall diameter for exceptional electrical characteristics, while the double foil and braid shield provides broadband rejection from external RF and EMI interference.

Riser or CM rated, the Miniature coaxial cables have a low-friction and easy-to-strip jacket that simplifies cable installation and termination.

### FEATURES & BENEFITS

- Precision 75Ω Impedance  
The characteristic impedance has precision tolerance specifications to prevent impedance mismatching that can lead to reflections, jitter, and bit-errors.
- 4.5GHz Bandwidth  
Extended 4.5GHz cable bandwidth (VDM230 & VDM260) guarantees SRL, attenuation, and impedance specifications for accurate transmission of uncompressed 1.485Gb/s HDTV signals.
- Gas-injected Dielectric  
Proprietary, Nitrogen-injected, blended polyethylene dielectric provides uniform cell structure, crush resistance, and low structural return loss.
- 100% Swept Test to SMPTE 292M Standards  
All reels are swept test to meet or exceed the SMPTE 292M standards for High Definition video interconnects (VDM230 & VDM260).
- UL Rated for Permanent Installation  
Outer jacket is UL listed for permanent installation.

Mechanical Specifications																	
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight								
<b>VDM230</b>	1	.164"	23 AWG Solid BC	Gas-injected Foam PE, .100"	95% TC Braid, 100% Foil	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	18 lbs/Mft								
<i>Miniature HD/SDI Coax: 23 AWG Solid</i>																	
<b>VDM250</b>	1	.154"	25 AWG (7x33) Stranded BC	Gas-injected Foam PE, .099"	95% TC Braid, 100% Foil	PVC	Black	CMR	16 lbs/Mft								
<i>Miniature SDI Coax: 25 AWG Stranded</i>																	
<b>VDM260</b>	1	.114"	26 AWG Solid BC	Gas-injected Foam PE, .074"	95% TC Braid, 100% Foil	PVC	Black	CM	9 lbs/Mft								
<i>Ultra-miniature HD/SDI Coax: 26 AWG Solid</i>																	
Electrical Specifications																	
Part #	Impedance	Return Loss (100kHz-1GHz), (1GHz-4.5GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)											
						1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	3 GHz	4.5 GHz
VDM230	75 Ω (+/-2)	>23dB, >21dB	16.5 pF/ft	20.3 Ω/2.7 Ω	82%	0.38	0.78	1.19	3.01	3.80	5.40	6.18	9.30	10.47	12.97	18.48	22.79
VDM250	75 Ω (+/-3)	>21dB, ----	16.5 pF/ft	30.0 Ω/4.8 Ω	82%	0.47	0.91	1.43	3.45	4.61	6.46	7.48	10.80	12.80	----	----	----
VDM260	75 Ω (+/-3)	>23dB, >19dB	16.8 pF/ft	40.5 Ω/7.0 Ω	80%	0.51	1.12	1.85	4.35	4.61	7.95	9.25	13.20	15.65	19.28	27.50	34.50

## Extra-flexible High Definition SDI Coax

### Precision Extra-flexible 75Ω Coax for Uncompressed HDTV Video



Extra-flexible, low-loss RG59 coax for uncompressed 1.485Gb/s Digital HDTV, SDI, and analog video transmission. With a 3GHz bandwidth, the Extra-flexible HDTV coax series can be used in a variety of high-resolution digital or analog video applications.

Both cables in this series utilize a proprietary gas-injected dielectric that reduces the high-frequency attenuation and provides exceptionally low return-loss. Center solid or stranded conductors have a precision overall diameter for exceptional electrical characteristics.

Available in two types, the VHD2000M is the most flexible, with an ultra-flexible PVC jacket, stranded center conductor, and double braid shield. The 201FVT9 is extra-flexible and features a solid conductor for simplified connector termination and a UL rating for in-wall installation.

Both cables feature easy-to-strip jackets that are available in multiple color options for quick channel identification and color coding.

#### FEATURES & BENEFITS

- Extra-flexible Design
 

An extra-flexible PVC jacket (201FVT9 & VHD2000M) with double braid shield and stranded center conductor (VHD2000M) provide exceptional flexibility.
- 3GHz Bandwidth
 

Extended 3GHz cable bandwidth guarantees SRL, attenuation, and impedance specifications for accurate transmission of uncompressed 1.485Gb/s HDTV signals.
- Precision 75Ω Impedance
 

The characteristic impedance has a precision tolerance specifications to prevent impedance mismatching that can lead to reflections, jitter, and bit-errors.
- Gas-injected Dielectric
 

Proprietary, Nitrogen-injected, blended polyethylene dielectric provides uniform cell structure, crush resistance, and low structural return loss.
- UL Rated for Permanent Installation
 

Outer jacket is UL listed for in-wall installation (201FVT9).

#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	Approx. Weight
VHD2000M	1	.242"	21 AWG (19x34) Stranded BC (Compact)	Gas-injected Foam PE, .146"	95% TC Braid, 95% TC Braid	Flexible PVC	Black, Red, Orange, Yellow, Green, Blue, Violet	33 lbs/Mft
201FVT9	1	.242"	20 AWG Solid BC	Gas-injected Foam PE, .146"	95% TC Braid, 100% Foil	TPE	Black, Red, Green, Blue	36 lbs/Mft

#### Electrical Specifications

Part #	Impedance	Return Loss (100kHz-1GHz), (1GHz-3GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Nominal Attenuation (dB per 100 ft)											
							1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz
VHD2000M	75 Ω (+/-3)	>20dB, >15dB	17 pF/ft	14.3 Ω	2.4 Ω	78%	0.25	0.52	0.91	2.51	3.50	5.05	5.92	8.60	10.35	13.05	16.50	19.60
201FVT9	75 Ω (+/-3)	>17dB	16.3 pF/ft	10.2 Ω	3.5 Ω	83%	0.28	0.53	0.86	2.05	2.71	3.80	4.38	6.40	7.57	9.29	11.57	13.36

## Broadband Coax

### Precision 75Ω Coax for Broadband, MATV, and CATV



#### FEATURES & BENEFITS

- 2.4GHz Bandwidth
- Precision 75Ω Impedance
- Copper-clad Steel Conductor
- Dual or Quad-shield Versions
- UL Rated for Permanent Installation

Mechanical Specifications									
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight
<b>VB1860</b>	1	.272"	18 AWG Copper-clad Steel	Gas-injected Foam PE, .180"	60% AL Braid, 100% Foil	PVC	Black	CM	26 lbs/Mft
<i>RG6 Broadband Coax</i>									
<b>VB1860D</b>	2	.272" x .550"	18 AWG Copper-clad Steel	Gas-injected Foam PE, .180"	60% AL Braid, 100% Foil	PVC	Black	CM	52 lbs/Mft
<i>RG6 Broadband: Dual Zip</i>									
<b>VB18Q</b>	1	.298"	18 AWG Copper-clad Steel	Gas-injected Foam PE, .180"	40% AL Braid, 100% Foil 60% AL Braid, 100% Foil	PVC	Black	CM	30 lbs/Mft
<i>RG6 Broadband Coax: Quad Shield</i>									

Electrical Specifications																
Impedance	Return Loss (100kHz-1GHz), (1GHz-3GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)											
					1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz	1.2 GHz	1.45 GHz	2.4 GHz
75 Ω (+/-3)	>20dB, >17dB	16.2 pF/ft	31.9 Ω/ 9.0 Ω (60% Shield) 5.3 Ω (Quad Shield)	83%	0.24	0.65	1.39	1.92	2.65	3.78	3.98	5.83	6.15	6.81	7.56	9.90

## Broadband Coax: Plenum

### Precision 75Ω Coax for Broadband, MATV, and CATV



#### FEATURES & BENEFITS

- 2.4GHz Bandwidth
- Precision 75Ω Impedance
- Copper-clad Steel Conductor
- Dual or Quad-shield Versions
- UL Rated for Permanent Installation

Mechanical Specifications									
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight
<b>VB1890TS</b>	1	.237"	18 AWG Copper-clad Steel	Foam FEP, .170"	90% AL Braid, 100% Foil	Plenum PVC	White	CMP	24 lbs/Mft
<i>RG6 Broadband Coax: Plenum</i>									
<b>VB18QTS</b>	1	.257"	18 AWG Copper-clad Steel	Foam FEP, .170"	40% AL Braid, 100% Foil 60% AL Braid, 100% Foil	Plenum PVC	White	CMP	30 lbs/Mft
<i>RG6 Broadband Coax: Plenum Quad Shield</i>									

Electrical Specifications																	
Impedance	Max Return Loss (1-455MHz), (455MHz-2.4GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)											
						1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz	1.2 GHz	1.45 GHz	2.4 GHz
75 Ω (+/-3)	>21dB, >15dB	16.0 pF/Ft	31.9 Ω	7.2 Ω (90% Shield) 5.5 Ω (Quad Shield)	84%	0.30	0.70	1.50	2.10	3.10	4.50	6.00	6.90	7.30	8.08	8.97	12.0

## CCTV Coax

### Low-loss 75Ω Coax for CCTV Video



#### FEATURES & BENEFITS

- 1GHz Bandwidth
- Bare Copper Conductor & Shield
- Precision 75Ω Impedance
- Gas-injected Dielectric
- UL Rated for Permanent Installation

#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket (Type, Colors)	UL Type	Approx. Weight
<b>VC1895</b>	1	.272"	18 AWG Solid BC	Gas-injected Foam PE, .180"	95% BC Braid	PVC, Black or White	CMR	44 lbs/Mft
RG6 Type CCTV Coax								
<b>VC2095</b>	1	.242"	20 AWG Solid BC	Gas-injected Foam PE, .146"	95% BC Braid	PVC, Black or White	CMR	29 lbs/Mft
RG59 Type CCTV Coax								

#### Electrical Specifications

Part #	Impedance	Return Loss (100kHz-1GHz), (455 MHz-1GHz)	Capacitance	Cond DCR per Mft/ Shield DCR per Mft	Vel. of Prop	Nominal Attenuation (dB per 100 ft)								
						1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
VC1895	75 Ω (+/-3)	>17dB, >15dB	16.2 pF/ft	6.4 Ω/2.7 Ω	83%	0.19	0.64	1.48	2.15	3.09	4.51	6.12	7.00	7.40
VC2095	75 Ω (+/-3)	>17dB, >15dB	16.2 pF/ft	10.2 Ω/2.7 Ω	83%	0.23	0.78	1.79	2.56	3.70	5.34	7.10	8.01	8.51

## CCTV Coax

### Low-loss 75Ω Plenum Coax for CCTV Video



#### FEATURES & BENEFITS

- 1GHz Bandwidth
- Bare Copper Conductor & Shield
- Precision 75Ω Impedance
- Gas-injected Dielectric
- UL Rated for Permanent Installation

#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket (Type, Colors)	UL Type	Approx. Weight
<b>VC2095TS</b>	1	.200"	20 AWG Solid BC	Foam FEP, .135"	95% BC Braid	Plenum PVC, White	CMP	30 lbs/Mft
RG59 CCTV Coax: Plenum								
<b>VC1895TS</b>	1	.237"	18 AWG Solid BC	Foam FEP, .170"	95% BC Braid	Plenum PVC, White	CMP	38 lbs/Mft
RG6 CCTV Coax: Plenum								

#### Electrical Specifications

Part #	Impedance	Return Loss (100kHz-455MHz), (455MHz-1GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)								
							1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
VC2095TS	75 Ω (+/-3)	>17dB, >15dB	16.0 pF/ft	10.2 Ω	2.9 Ω	84%	0.24	0.85	2.04	2.92	4.20	6.27	8.92	10.60	11.49
VC1895TS	75 Ω (+/-3)	>17dB, >15dB	16.0 pF/ft	6.4 Ω	2.2 Ω	84%	0.21	0.65	1.40	2.04	2.94	4.46	5.89	7.47	8.02



## CCTV Coax with Power

### Low-loss 75Ω Coax with Power Conductors for CCTV Video



#### FEATURES & BENEFITS

- Overall Jacket
- 1GHz Bandwidth
- Gas-injected Dielectric
- 18 AWG x 2 Power Conductors
- UL Rated for Permanent Installation

Mechanical Specifications													
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Power Pair Construction	Jacket (Type, Colors)	UL Type	Approx. Weight				
<b>VC2095/2PJ</b>	1 Coax 2 Power	.285" x .355"	20 AWG Solid BC	Gas-injected Foam PE, .146"	95% BC Braid	(2) 18 AWG (7x26) Stranded BC, .008" PVC Insulation	Black PVC Coax Jacket, White or Black Overall Jacket	CM	24 lbs/Mft				
<i>RG59 CCTV Coax with Power Conductors: Overall Jacket</i>													
Electrical Specifications													
Impedance	Return Loss (100kHz-1GHz), (455 MHz-1GHz)	Capacitance	Cond DCR per Mft/ Shield DCR per Mft	Vel. of Prop	Nominal Attenuation (dB per 100 ft)								
					1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
75 Ω (+/-3)	>17dB, >15dB	16.2 pF/ft	10.2 Ω/2.7 Ω	83%	0.23	0.78	1.79	2.56	3.70	5.34	7.10	8.01	8.51

## CCTV Coax with Power

### Low-loss 75Ω Coax with Power Conductors for CCTV Video



#### FEATURES & BENEFITS

- Dual Zip Construction
- 1GHz Bandwidth
- Gas-injected Dielectric
- 18 AWG x 2 Power Conductors
- UL Rated for Permanent Installation

Mechanical Specifications													
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Power Pair Construction	Jacket (Type, Colors)	UL Type	Approx. Weight				
<b>VC2095/2PZ</b>	1 Coax 2 Power	.242" x .482"	20 AWG Solid BC	Gas-injected Foam PE, .146"	95% BC Braid	(2) 18 AWG (7x26) Stranded BC, .008" PVC Insulation	PVC, Black or White	CM	26 lbs/Mft				
<i>RG59 CCTV Coax with Power Conductors: Dual-zip</i>													
Electrical Specifications													
Impedance	Return Loss (100kHz-1GHz), (455 MHz-1GHz)	Capacitance	Cond DCR per Mft/ Shield DCR per Mft	Vel. of Prop	Nominal Attenuation (dB per 100 ft)								
					1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
75 Ω (+/-3)	>17dB, >15dB	16.2 pF/ft	10.2 Ω/2.7 Ω	83%	0.23	0.78	1.79	2.56	3.70	5.34	7.10	8.01	8.51

## Component Video: Miniature Solid 25 AWG

### Miniature RGB Snake for Component Video



#### FEATURES & BENEFITS

- Solid Conductors
- 3GHz Bandwidth
- Gas-injected Dielectric
- Double Shielded
- UL Rated for Permanent Installation

Mechanical Specifications (Series)															
Conductors	Insulation (Type, OD)		Shield	Coax Jacket (Type, OD)	Master Jacket	UL Type									
25 AWG Solid BC	Gas-injected Foam PE, .074"		95% TC Braid, 100% Foil	PVC, .115"	PVC, Black	CMR									
Mechanical Specifications (Individual)															
Part #	# of Coaxials	Color Code		Nominal OD			Approx. Weight								
<b>RGB250S</b>	3	Red, Green, Blue		.325"			68 lbs/Mft								
<b>RGBS250S</b>	4	Red, Green, Blue, Yellow		.365"			79 lbs/Mft								
<b>RGBSC250S</b>	5	Red, Green, Blue, Yellow, White		.405"			90 lbs/Mft								
<b>RGBHVC250S</b>	6	Red, Green, Blue, Yellow, White, Black		.440"			105 lbs/Mft								
Electrical Specifications															
Impedance	Return Loss (100kHz-1GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)										
					1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	2.25 GHz	3 GHz
75 Ω (+/-3)	>15dB	17.0 pF/ft	31 Ω/8 Ω	81%	.50	1.23	1.80	4.30	5.65	7.72	9.00	12.9	15.4	24.0	27.5

## Component Video: Miniature Plenum

### Low-loss 75Ω Plenum Coax for Component Video



#### FEATURES & BENEFITS

- Flexible Plenum PVC Jacket
- 1GHz Bandwidth
- Gas-injected Dielectric
- Double Shielded
- UL Plenum Rated for Permanent Installation

Mechanical Specifications													
Part #	# of Coaxials	Nominal OD	Conductors	Insulation (Type, OD)	Shield	Coax Jacket (Type, OD)	Coax Color Code	Master Jacket	UL Type	Approx. Weight			
<b>RGBSC260TS</b>	5	.310"	26 AWG (7x34) Stranded TC	Foam FEP, .072"	100% Foil, 95% TC Spiral Serve	Fluoropolymer, .102"	Red, Green, Blue, Yellow, White	Plenum PVC, White	CL2P	80 lbs/Mft			
Electrical Specifications													
Impedance	Return Loss (1MHz-455MHz), (455MHz-1GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)								
					1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz
75 Ω (+/-3)	>20dB, >15dB	16.0 pF/ft	38.5 Ω/18.0 Ω	85%	.90	1.40	2.08	4.90	6.65	9.45	11.0	16.7	20.5

## Component Video: Stranded Miniature 25 AWG

### Miniature RGB Snake for Component Video



#### FEATURES & BENEFITS

- Extra-flexible
- 1GHz Bandwidth
- Gas-injected Dielectric
- Double Shielded
- UL Rated for Permanent Installation

Mechanical Specifications (Series)													
Conductors	Insulation (Type, OD)	Shield	Coax Jacket (Type, OD)	Master Jacket	UL Type								
25 AWG (7x33) Stranded BC	Gas-injected Foam PE, .099"	95% TC Braid, 100% Foil	PVC, .154"	Flexible TPE, Black	CM								
Mechanical Specifications (Individual)													
Part #	# of Coaxials	Color Code	Nominal OD	Approx. Weight									
<b>RGB250</b>	3	Red, Green, Blue	.440"	75 lbs/Mft									
<b>RGBS250</b>	4	Red, Green, Blue, Yellow	.470"	110 lbs/Mft									
<b>RGBSC250</b>	5	Red, Green, Blue, Yellow, White	.505"	125 lbs/Mft									
<b>RGBHVC250</b>	6	Red, Green, Blue, Yellow, White, Black	.525"	150 lbs/Mft									
Electrical Specifications													
Impedance	Return Loss (100kHz-1GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)								
					1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz
75 Ω (+/-3)	>15dB	16.5 pF/ft	30.0 Ω/4.8 Ω	82%	0.47	0.91	1.43	3.45	4.61	6.46	7.48	10.80	12.80

## Component Video: Low-loss RG6

### Low-loss RG6 Component Video Cable



#### FEATURES & BENEFITS

- Flexible TP Jacket
- 4.5GHz Bandwidth
- Gas-injected Dielectric
- Double Shielded
- UL Rated for Permanent Installation

Mechanical Specifications (Series)																
Conductors	Insulation (Type, OD)	Shield	Coax Jacket (Type, OD)	Master Jacket	UL Type											
18 AWG Solid BC	Gas-injected Foam PE, .180"	95% TC Braid, 100% Foil	PVC, .272"	TPE, Black	CMR											
Mechanical Specifications (Individual)																
Part #	# of Coaxials	Color Code	Nominal OD	Approx. Weight												
<b>VS32001</b>	3	Red, Green, Blue	.735"	182 lbs/Mft												
<b>VS42001</b>	4	Red, Green, Blue, Yellow	.790"	230 lbs/Mft												
<b>VS52001</b>	5	Red, Green, Blue, Yellow, White	.845"	295 lbs/Mft												
Electrical Specifications																
Impedance	Return Loss (100kHz-1GHz), (1GHz-4.5GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)											
					1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	3 GHz	4.5 GHz
75 Ω (+/-2)	>23dB, >21dB	16.3 pF/ft	6.4 Ω/2.8 Ω	83%	0.22	0.43	0.70	1.60	2.10	2.96	3.40	4.95	5.87	7.30	10.65	13.28

## Component Video with 2 Audio Pairs

### Hybrid Video and Audio Composite Cable



#### FEATURES & BENEFITS

- Extra-flexible TPE Jacket
- 3GHz Coaxial Bandwidth
- 6 Coaxial Elements
- 2 Audio Pairs
- UL Rated for Permanent Installation

#### Overall Specifications

Part #	# of Coaxials	# of Audio Pairs	Overall Jacket (Type, OD)	UL Type	Approx. Weight
<b>RGB62</b>	6	2	Flexible TPE, .430"	CM	85 lbs/Mft

#### Coaxial Element Specifications

Conductors (Type, DCR)	Insulation (Type, OD)	Shield	Jacket (Type, OD)	Color Code	Impedance	Velocity of Propagation
26 AWG Solid BC, 40.5 Ω/Mft	Gas-injected Foam PE, .074"	100% Foil, 95% TC Braid	PVC, .114"	Red, Green, Blue, Black, Yellow, White	75Ω	80%

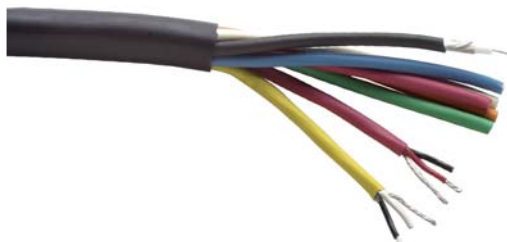
#### Audio Pair Specifications

Conductors (Type, DCR)	Insulation (Type, OD)	Insulation Color Code	Shield	Jacket (Type, OD)	Jacket Color Code
24 AWG (7x32) Stranded TC, 23.8 Ω/Mft	PE, .040"	Red & Black White & Black	100% Foil with 24 AWG (7x32) TC Drain Wire	PVC, .130"	One Red One Black

\* See VDM260 for detailed electrical specifications, see page #15

## Component Video with 2 Audio Pairs: Plenum

### Hybrid Video and Audio Composite Cable



#### FEATURES & BENEFITS

- Extra-flexible PVC Jacket
- 3GHz Coaxial Bandwidth
- 6 Coaxial Elements
- 2 Audio Pairs
- UL Rated for Permanent Installation

#### Overall Specifications

Part #	# of Coaxials	# of Audio Pairs	Overall Jacket (Type, OD)	UL Type	Approx. Weight
<b>RGB62TS</b>	6	2	Plenum PVC, .370"	CL2P	68 lbs/Mft

#### Coaxial Element Specifications

Conductors (Type, DCR)	Insulation (Type, OD)	Shield	Jacket (Type, OD)	Color Code	Impedance	Velocity of Propagation
26 AWG (7x34) Stranded TC, 38.5 Ω/Mft	Foam FEP, .072"	100% Foil, 95% TC Braid	Plenum PVC, .102"	Red, Green, Blue, Black, Yellow, White	75Ω	85%

#### Audio Pair Specifications

Conductors (Type, DCR)	Insulation (Type, OD)	Insulation Color Code	Shield	Jacket (Type, OD)	Jacket Color Code
22 AWG (7x30) Stranded TC, 15.3 Ω/Mft	Plenum PVC, .044"	Red & Black White & Black	100% Foil with 26 AWG (7x30) TC Drain Wire	Plenum PVC, .102"	One Red One Black

\* See RGBSC260TS for detailed electrical specifications, see page #20



## Component Video with 4 Audio & 4 Power Hybrid Video, Audio, and Power Composite Cable



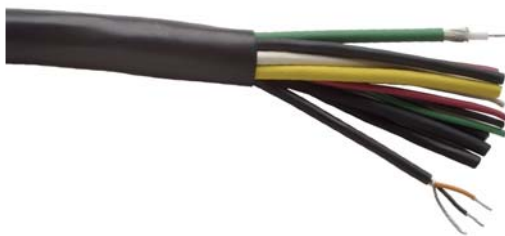
### FEATURES & BENEFITS

- Extra-flexible TPE Jacket
- 3GHz Coaxial Bandwidth
- 6 Coaxial Elements
- 4 Balanced Audio Pairs
- 4 Power Conductors

Overall Specifications							
Part #	# of Coaxials	# of Audio Pairs	# of Power Conductors	Overall Jacket (Type, OD)	UL Type	Approx. Weight	
<b>RGB644</b>	6	4	4	Flexible TPE, .475"	CM	125 lbs/Mft	
Coaxial Element Specifications							
Conductors (Type, DCR)	Insulation (Type, OD)	Shield	Jacket (Type, OD)	Color Code	Impedance	Velocity of Propagation	
26 AWG Solid BC, 40.5 Ω/Mft	Gas-injected Foam PE, .074"	100% Foil, 95% TC Braid	PVC, .114"	Red, Green, Blue, Black, Yellow, White	75Ω	80%	
Audio Pair Specifications				Power Conductor Specifications			
Conductors (Type, DCR)	Insulation (Type, OD, Color)	Shield	Jacket (Type, OD)	Jacket Color Code	Conductors (Type, DCR)	Insulation (Type, OD)	Color Code
26 AWG (7x34) Stranded TC, 38.5 Ω/Mft	PVC, .033", Black & Red	100% Foil with 26 AWG (7x34) TC Drain Wire	PVC, .090"	Brown, Red, Orange, Yellow	20 AWG (7x28) Stranded TC, 10.1 Ω/Mft	PVC, .053"	Red, White, Black, Green

\* See VDM260 for detailed electrical specifications, see page #15

## Component Video with 4 Audio & 4 Power: Plenum Hybrid Video, Audio, and Power Composite Cable



### FEATURES & BENEFITS

- Extra-flexible PVC Jacket
- 1GHz Coaxial Bandwidth
- 6 Coaxial Elements
- 4 Balanced Audio Pairs
- 4 Power Conductors

Overall Specifications							
Part #	# of Coaxials	# of Audio Pairs	# of Power Conductors	Overall Jacket (Type, OD)	UL Type	Approx. Weight	
<b>RGB644TS</b>	6	4	4	Plenum PVC, .415"	CL2P	105 lbs/Mft	
Coaxial Element Specifications							
Conductors (Type, DCR)	Insulation (Type, OD)	Shield	Jacket (Type, OD)	Color Code	Impedance	Velocity of Propagation	
26 AWG (7x34) Stranded TC, 38.5 Ω/Mft	Foam FEP, .072"	100% Foil 95% TC Serve	Plenum PVC, .102"	Red, Green, Blue, Black, Yellow, White	75Ω	85%	
Audio Pair Specifications				Power Conductor Specifications			
Conductors (Type, DCR)	Insulation (Type, OD, Color)	Shield	Jacket (Type, OD)	Jacket Color Code	Conductors (Type, DCR)	Insulation (Type, OD)	Color Code
26 AWG (7x34) Stranded TC, 38.5 Ω/Mft	Plenum PVC, .033", Black & Red	100% Foil with 26 AWG (7x34) TC Drain Wire	Plenum PVC, .090"	Brown, Red, Orange, Yellow	20 AWG (7x28) Stranded TC, 10.1 Ω/Mft	Plenum PVC, .053"	Red, White, Black, Green

\* See RGBSC260TS for detailed electrical specifications, see page #20

## Component Video with Category 5E

### Extra-flexible Component Video with Category 5E UTP



#### FEATURES & BENEFITS

- Extra-flexible TPE Jacket
- 3GHz Coaxial Bandwidth
- 6 Coaxial Elements
- 1 Cat5E Element
- UL Rated for Permanent Installation

#### Overall Specifications

Part #	# of Coaxials	# of Category 5E Elements	Overall Jacket (Type, OD)	UL Type	Approx. Weight
<b>RGB6C5</b>	6	1	TPE, .535"	CM	125 lbs/Mft
<b>RGB6C52</b>	6	2	TPE, .560"	CM	138 lbs/Mft

#### Coaxial Element Specifications

Conductors (Type, DCR)	Insulation (Type, OD)	Shield	Jacket (Type, OD)	Color Code	Impedance	Velocity of Propagation
25 AWG Solid BC, 31 Ω/Mft	Gas-injected Foam PE, .074"	100% Foil, 95% TC Braid	PVC, .115"	Red, Green, Blue, Black, Yellow, White	75Ω	81%

#### Category 5E Specifications

Conductors (Type, DCR)	Insulation	Insulation Color Code	Jacket (Type, OD)	Bandwidth	Standards
24 AWG Solid BC, 28.6 Ω/Mft	PE	White/Blue & Blue White/Orange & Orange White/Green & Green White/Brown & Brown	PVC, .210"	350 MHz	Meets or Exceeds TIA/EIA-568-B.2 Cat5e, ISO/IEC 11801

## Component Video with Category 5E: Plenum

### Plenum Rated Component Video with Category 5E UTP



#### FEATURES & BENEFITS

- Extra-flexible PVC Jacket
- 1GHz Coaxial Bandwidth
- 6 Coaxial Elements
- 1 Cat 5E Element
- UL Plenum Rated for Permanent Installation

#### Overall Specifications

Part #	# of Coaxials	# of Category 5E Elements	Overall Jacket (Type, OD)	UL Type	Approx. Weight
<b>RGB6C5TS</b>	6	1	Plenum PVC, .460"	CL2P	67 lbs/Mft

#### Coaxial Element Specifications

Conductors (Type, DCR)	Insulation (Type, OD)	Shield	Jacket (Type, OD)	Color Code	Impedance	Velocity of Propagation
26 AWG (7x34) Stranded TC, 38.5 Ω/Mft	Foam FEP, .072"	100% Foil, 95% TC Serve	Plenum PVC, .102"	Red, Green, Blue, Black, Yellow, White	75Ω	85%

#### Category 5E Specifications

Conductors (Type, DCR)	Insulation	Insulation Color Code	Jacket (Type, OD)	Bandwidth	Standards
24 AWG Solid BC, 28.6 Ω/Mft	Plenum Thermoplastic	White/Blue & Blue White/Orange & Orange White/Green & Green White/Brown & Brown	Plenum PVC, .180"	350 MHz	Meets or Exceeds TIA/EIA-568-B.2 Cat5e, ISO/IEC 11801

## SVHS Dual Miniature Coax

### Dual Miniature 75Ω Coax for High Resolution SVHS Applications



#### FEATURES & BENEFITS

- Dual-zip Construction
- 1GHz Bandwidth
- Flexible PVC Jacket
- Low-loss Design
- Gas-injected Dielectric

Mechanical Specifications																
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	Approx. Weight								
VDM250D	2	.154" x .315"	25 AWG (7x33) Solid BC	Gas-injected Foam PE, .099"	95% TC Braid, 100% Foil	Flexible Matte PVC	Black	33 lbs/Mft								
<i>Dual Miniature SDI or SVHS Coax</i>																
Electrical Specifications																
Impedance	Return Loss (100kHz-1GHz)	Capacitance	Cond. DCR per Mft/Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100 ft)											
					1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz
75 Ω (+/-3)	>21dB	16.5 pF/ft	30.0 Ω/4.8 Ω	82%	0.47	0.91	1.43	3.45	4.61	6.46	7.48	10.80	12.80	----	----	----

## Total Home Hybrid

### Hybrid Cable for Smart Home Video and Network Distribution



#### FEATURES & BENEFITS

- Cat5E Elements
- RG6Q Coax Elements
- Multi-mode Fiber (Optional)
- Common Outer Jacket for Easy Pulling
- UL Rated for Permanent Installation

Mechanical Specifications							
Part #	Cat5e Elements (#, Color)	RG6Q Elements (#, Color)	Multi-mode Fiber Elements (#, Color)	Master Jacket (Type, Color)	Overall Diameter	UL Type	Weight
DV5E6U02	1, Gray	1, Black	N/A	PVC, Blue	.485"	CMG/CMR	89 lbs/Mft
DV5E6U03	2, Gray & White	1, Black	N/A	PVC, Blue	.575"	CMG/CMR	121 lbs/Mft
DV5E6U04	2, Gray & White	2, Black & White	N/A	PVC, Blue	.660"	CMG/CMR	156 lbs/Mft
DV5E6U04F	2, Gray & White	2, Black & White	1, (2 Fiber Distribution), Orange	PVC, Blue	.670"	CMG/CMR	175 lbs/Mft

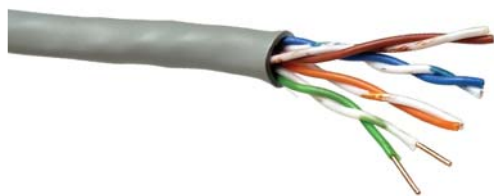
Cat5e ELEMENT SPECIFICATIONS, See Page #26 (pn#CT504/360)

RG6Q ELEMENT SPECIFICATIONS, Contact Factory for Detailed Specifications (pn#VB18QSC)

Multi-mode Fiber ELEMENT SPECIFICATIONS, See Page #32 (pn#FMD2R)

## Category 5e UTP

### TIA/EIA Cat5e 100MHz Four-pair Network Cable



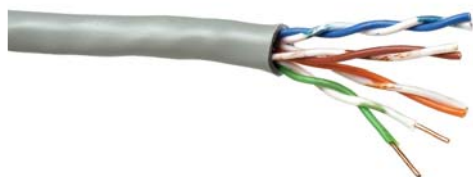
#### FEATURES & BENEFITS

- Precision Cat5e Electrical Characteristics
- 100MHz Bandwidth
- 24 Gage Solid Copper Conductors
- Meets or Exceeds TIA/EIA-568-B.2 Standards
- UL Rated for Permanent Installation

Mechanical Specifications														
Part #	# of Pairs	Nominal OD	Conductors	Insulation	Jacket	UL Type	Approx. Weight							
<b>244CAT5</b>	4	.208"	24 AWG Solid BC	Polyolefin	PVC	CMR/MPR	26 lbs/Mft							
Category 5e Four-pair 100MHz														
<b>244CAT5P</b>	4	.180"	24 AWG Solid BC	Plenum Thermoplastic	Plenum PVC	CMP	23.5 lbs/Mft							
Category 5e Four-pair 100MHz: Plenum														
Electrical Specifications														
Part #	DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop. (Nonplenum, Plenum)	Standards							
244CAT5 244CAT5P	28.6 Ω	5%	17 pF/ft	100 Ω	45 ns/100m	68%, 72%	Exceeds TIA/EIA-568-B.2-Cat 5e, ISO/IEC 11801							
			Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100
			Insertion Loss (dB/100m)	1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
			PSNEXT (dB)	64.0	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
			PSACR (dB/100m)	62.2	60.3	49.2	43.0	40.8	36.1	33.5	30.9	28.2	18.4	10.3
			PSELFEXT (dB/100m)	63.0	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8
			RL (dB)	---	19.0	20.8	21.7	22.0	22.0	21.3	20.6	18.5	17.1	

## Category 5E 360MHz UTP

### TIA/EIA Cat5E 360MHz Four-pair Network Cable



#### FEATURES & BENEFITS

- Precision Cat5E Electrical Characteristics
- 360MHz Bandwidth
- 24 Gage Solid Copper Conductors
- Meets or Exceeds TIA/EIA-568-B.2 Standards
- UL Rated for Permanent Installation

Mechanical Specifications																			
Part #	# of Pairs	Nominal OD	Conductors	Insulation	Jacket	UL Type	Approx. Weight												
<b>CT504/360</b>	4	.210"	24 AWG Solid BC	PE	PVC	CMR	27 lbs/Mft												
Category 5E Four-pair 360MHz																			
<b>CT504/360P</b>	4	.180"	24 AWG Solid BC	Plenum Thermoplastic	Plenum PVC	CMP	23.5 lbs/Mft												
Category 5E Four-pair 360MHz: Plenum																			
Electrical Specifications																			
Part #	DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop. (Nonplenum, Plenum)	Standards												
CT504/360 Series	28.6 Ω	5%	17 pF/ft	100 Ω	18 ns/100m	69%, 72%	Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801												
			Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	360
			Insertion Loss (dB/100m)	1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0	28.1	32.4	36.9	41.0	45.6
			PSNEXT (dB)	70.0	68.3	59.3	54.8	53.3	50.3	48.8	47.3	45.9	41.4	38.3	35.5	33.8	32.3	31.2	30.0
			PSACR (dB/100m)	68.2	66.3	55.2	49.0	46.8	42.1	39.5	36.9	34.2	24.4	16.3	7.4	1.4	-4.6	-9.8	-15.6
			PSELFEXT (dB/100m)	63.0	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8	16.9	14.7	12.8	11.2	9.6
			RL (dB)	---	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.3	16.8	16.2

## Category 6 UTP

### TIA/EIA Cat6 250MHz Four-pair Network Cable



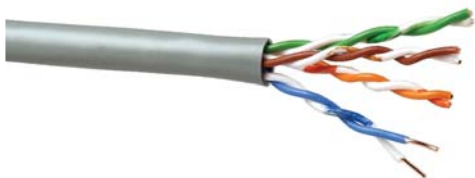
#### FEATURES & BENEFITS

- Precision Cat6 Electrical Characteristics
- 250MHz Bandwidth
- 23 Gage Solid Copper Conductors
- Meets or Exceeds TIA/EIA-568-B.2 Standards
- UL Rated for Permanent Installation

Mechanical Specifications																	
Part #	# of Pairs	Nominal OD	Conductors	Insulation	Jacket	UL Type	Approx. Weight										
<b>CT604/250</b>	4	.240"	23 AWG Solid BC	Polyolefin	PVC with Central Spacer	CMR/MPR	27 lbs/Mft										
Category 6 Four-pair 250MHz																	
<b>CT604/250P</b>	4	.220"	23 AWG Solid BC	Plenum Thermoplastic	Plenum PVC with Central Spacer	CMP	28 lbs/Mft										
Category 6 Four-pair 250MHz: Plenum																	
Electrical Specifications																	
Part #	DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop. (Nonplenum, Plenum)	Standards										
CT604/250 CT604/250P	28.6 Ω	3%	17 pF/ft	100 Ω	18 ns/100m	69%, 72%	Meets or Exceeds TIA/EIA-568-B.2-1 Cat 6, ISO/IEC 11801										
			Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100	155	200	250
			Insertion Loss (dB/100m)	1.8	2.0	3.8	5.3	6.0	7.6	8.5	9.5	10.7	15.4	19.8	25.2	29.0	32.8
			PSNEXT (dB)	74.0	72.3	63.3	58.8	57.3	54.3	52.8	51.3	49.9	45.4	42.3	39.5	37.8	36.3
			PSACR (dB/100m)	72.2	70.3	59.5	53.5	51.3	46.7	44.3	41.8	39.2	30.0	22.5	14.3	8.8	3.5
			PSELFEXT (dB/100m)	67.0	61.8	52.7	46.7	44.8	40.7	38.7	36.8	34.9	28.8	24.8	20.9	18.7	16.8
			RL (dB)	---	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.3

## Ultra-low Skew UTP

### Four-pair Cable for Analog Video Transmission



#### FEATURES & BENEFITS

- Low 2.2ns Skew
- For RGB Analog Video Transmission
- 23 Gage Solid copper Conductors
- Cost Effective
- UL Rated for Permanent Installation

Mechanical Specifications														
Part #	# of Pairs	Nominal OD	Conductors	Insulation	Jacket	UL Type	Approx. Weight							
<b>LSK04</b>	4	.228"	23 AWG Solid BC	Polyethylene	PVC	CMR	24 lbs/Mft							
Ultra-low Skew Four-pair UTP: Riser														
<b>LSK04P</b>	4	.228"	23 AWG Solid BC	Plenum Thermoplastic	Plenum PVC	CMP	25 lbs/Mft							
Ultra-low Skew Four-pair UTP: Plenum														
Electrical Specifications														
Part #	DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop. (Nonplenum, Plenum)								
LSK04 LSK04P	28.6 Ω	5%	17 pF/ft	100 Ω	2.2ns/100m	69%, 72%								
			Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100
			Insertion Loss (dB/100m)	1.7	1.9	3.9	5.5	6.2	7.9	8.9	10.0	11.3	16.3	21.2



## Heavy-duty Cat5e Network Cable: Extra-flexible

### Extra-flexible and Durable Design for Tactical Applications



#### FEATURES & BENEFITS

- Durable TP Outer Jacket
- Extra-flexible
- Stranded 24 Gage Conductors for Exceptional Flex-life
- 100MHz Bandwidth
- Terminates with Neutrik EtherCon® Connectors

Mechanical Specifications									
Part #	# of Pairs	Nominal OD	Conductors	Insulation	Pair Color Code	Inner Jacket (Type, OD)	Outer Jacket (Type, OD)	UL Type	Weight
CT504HD	4	.260"	24 AWG (41x40) Stranded TC	PE	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown	Clear TPE, .190"	Black TPE, .260"	AWM Style 21144	26 lbs/Mft

Electrical Specifications																
DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop.					Standards						
28.6 Ω/Mft	5%	17 pF/ft	100 Ω	45 ns/100m	69%					ISO/IEC 11801 Cat 5e Patch Cable						
					Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100
					Insertion Loss (dB/100m)	2.7	3.0	6.2	8.7	9.8	12.3	14.0	15.6	17.6	25.5	33.0
					PSNEXT (dB)	64.0	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
					PSACR (dB/100m)	61.3	59.3	47.2	40.1	37.6	32.0	28.9	25.7	22.4	9.9	-0.7
					PSELFEXT (dB/100m)	63.0	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8
RL (dB)	----	20.0	23.0	24.5	25.0	25.0	25.0	24.2	23.3	20.7	19.0					

## Heavy-duty Cat5E Network Cable: Low-loss

### Flexible and Durable Design for Tactical Applications



#### FEATURES & BENEFITS

- Durable TPE Jacket
- Flexible
- 24 Gage Solid Conductors
- 100MHz Bandwidth
- Terminates with Neutrik EtherCon® Connectors

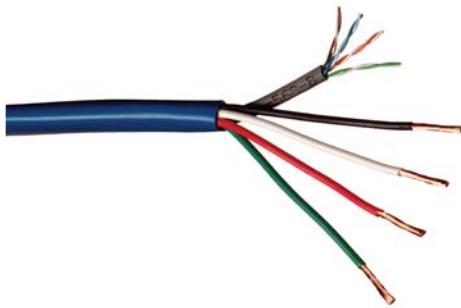
Mechanical Specifications									
Part #	# of Pairs	Nominal OD	Conductors	Insulation	Pair Color Code	Inner Jacket (Type, OD)	Outer Jacket (Type, OD)	UL Type	Weight
CT504HDX	4	.245"	24 AWG Solid BC	PE	White/Blue & Blue, White/Orange & Orange, White/Green & Green, White/Brown & Brown	Clear TPE, .190"	Black TPE, .245"	AWM Style 21144	26 lbs/Mft

Electrical Specifications																
DCR Max	DCR Unbal. Max	Mutual Capac. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop.					Standards						
28.6 Ω/Mft	5%	17 pF/ft	100 Ω	45 ns/100m	69%					Meets or Exceeds TIA/EIA-568-B.2 Cat 5e, ISO/IEC 11801						
					Freq. (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100
					Insertion Loss (dB/100m)	1.8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
					PSNEXT (dB)	64.0	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
					PSACR (dB/100m)	62.2	60.3	49.2	43.0	40.8	36.1	33.5	30.9	28.2	18.4	10.3
					PSELFEXT (dB/100m)	63.0	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8
RL (dB)	---	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1					

## Keypad & Volume Control

### General Purpose Cat5E and Audio Hybrid Cable



#### FEATURES & BENEFITS

- Cat5E Element
- Four Audio Conductors
- Common Outer Jacket with Color Stripe
- Available in 16 or 14 Gage
- PVC Jacket
- UL Rated for Permanent Installation

Mechanical Specifications						
Part #	Cat5E Elements (#, Color)	Audio Conductors (#, Color, DCR, Capacitance)	Master Jacket (Type, Color)	Overall Diameter	UL Type	Approx. Weight
<b>164NCAT</b>	1, Gray	4x16 AWG (65x34), Stranded BC, Black, Red, White, Green, 4.0 Ω/Mft, 48.4 pF/ft	PVC, Teal with Gray Stripe	.388"	CL3 & CM	93 lbs/Mft
	Keypad & Volume Control Cable: 16 Gage					
<b>144NCAT</b>	1, Gray	4x14 AWG (105x34), Stranded BC, Black, Red, White, Green, 2.5 Ω/Mft, 40.5 pF/ft	PVC, Blue with Gray Stripe	.415"	CL3 & CM	125 lbs/Mft
	Keypad & Volume Control Cable: 14 Gage					

Cat5E ELEMENT SPECIFICATIONS, See Page #26 (pn#CT504/360)

## Total Home Hybrid

### Hybrid Cable for Smart Home Video and Network



#### FEATURES & BENEFITS

- Cat5E Elements
- RG6Q Coax Elements
- Multi-mode Fiber (Optional)
- Common Outer Jacket for Easy Pulling
- UL Rated for Permanent Installation

Mechanical Specifications							
Part #	Cat5E Elements (#, Color)	RG6Q Elements (#, Color)	Multi-mode Fiber Element (#, Color)	Master Jacket (Type, Color)	Overall Diameter	UL Type	Approx. Weight
<b>DV5E6U02</b>	1, Gray	1, Black	N/A	PVC, Blue	.485"	CMG/CMR	89 lbs/Mft
<b>DV5E6U03</b>	2, Gray & White	1, Black	N/A	PVC, Blue	.575"	CMG/CMR	121 lbs/Mft
<b>DV5E6U04</b>	2, Gray & White	2, Black & White	N/A	PVC, Blue	.660"	CMG/CMR	156 lbs/Mft
<b>DV5E6U04F</b>	2, Gray & White	2, Black & White	1, (2 Fiber Distribution), Orange	PVC, Blue	.670"	CMG/CMR	175 lbs/Mft

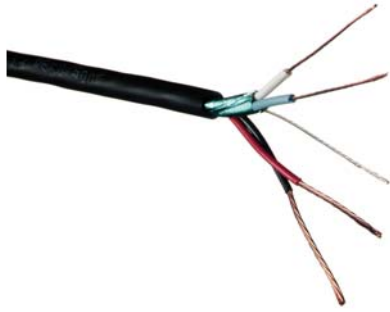
Cat5E ELEMENT SPECIFICATIONS, See Page #26 (pn#CT504/360)

RG6Q ELEMENT SPECIFICATIONS, Contact Factory for Detailed Specifications (pn#VB18QSC)

Multi-mode Fiber ELEMENT SPECIFICATIONS, See Page #32 (pn#FMD2R)

## AMX AXLink™

### Data and Power Cable for AMX AXLink™ Systems



#### FEATURES & BENEFITS

- 22 Gage Low-cap, Shielded Single-pair
- For AMX AXLink™ Systems
- Low-loss Foam Dielectric (Data Pair)
- 18 Gage Power Conductors
- UL Rated for Permanent Installation

#### Mechanical Specifications

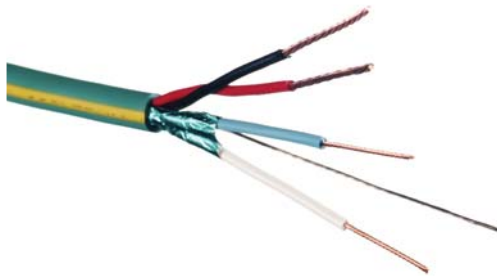
Part #	# of Pairs	Nominal OD	Conductor	Data Insulation (Type, OD, Color)	Data Shield & Drain	Power Conductors	Power Insulation	Overall Jacket	UL Type	Approx. Weight
<b>18/22AXL</b>	2 (One Power, One Data)	.242"	22 AWG (7x30) Stranded BC	Foam PE, .022", Blue & White	100% Foil with 24 AWG (7x32) Stranded TC	18 AWG (7x26) Stranded BC	PVC, .010", Red & Black	PVC, Black	CL3R, FT-4	41 lbs/Mft
<i>AXLink™ Control Cable</i>										
<b>18/22AXLP</b>	2 (One Power, One Data)	.195"	22 AWG (7x30) Stranded BC	Foam FEP, .020", Blue & White	100% Foil with 24 AWG (7x32) Stranded TC	18 AWG (16x30) Stranded BC	Plenum PVC, .009", Red & Black	Plenum, PVC, Black	CMP	29 lbs/Mft
<i>AXLink™ Control Cable: Plenum</i>										

#### Electrical Specifications

Part #	Data Pair				Power Pair		
	Impedance	Capacitance	Conductor DCR	Drain DCR	Velocity of Propagation	Capacitance	Power Conductor DCR
18/22AXL	95 Ω	12.5 pF/ft between conductors	15.3 Ω/Mft	23.8 Ω/Mft	79%	31.7 pF/ft between conductors	6.0 Ω/Mft
18/22AXLP	95 Ω	12.5 pF/ft between conductors	15.3 Ω/Mft	23.8 Ω/Mft	82%	31.7 pF/ft between conductors	6.7 Ω/Mft

## Touch Panel Control

### Data and Power Cable for Touch Panel Systems



#### FEATURES & BENEFITS

- 22 Gage Low-cap, Shielded Single-pair
- Low-loss Foam Dielectric (Data Pair)
- 18 Gage Power Conductors
- Yellow Stripe for Easy Identification
- UL Rated for Permanent Installation

#### Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductor	Data Insulation (Type, OD, Color)	Data Shield & Drain	Power Conductors	Power Insulation	Overall Jacket	UL Type	Approx. Weight
<b>18/22CRT</b>	2 (One Power, One Data)	.242"	22 AWG (7x30) Stranded BC	Foam PE, .022", Blue & White	100% Foil with 24 AWG (7x32) Stranded TC	18 AWG (7x26) Stranded BC	PVC, .010", Red & Black	PVC, Blue with Yellow Stripe	CL3R, FT-4	41 lbs/Mft
<i>Touch Panel Control Cable</i>										
<b>18/22CRTP</b>	2 (One Power, One Data)	.195"	22 AWG (7x30) Stranded BC	Foam FEP, .020", Blue & White	100% Foil with 24 AWG (7x32) Stranded TC	18 AWG (16x30) Stranded BC	Plenum PVC, .009", Red & Black	Plenum, PVC, Blue with Yellow Stripe	CMP	29 lbs/Mft
<i>Touch Panel Control Cable: Plenum</i>										

#### Electrical Specifications

Part #	Data Pair				Power Pair		
	Impedance	Capacitance	Conductor DCR	Drain DCR	Velocity of Propagation	Capacitance	Power Conductor DCR
18/22CRT	95 Ω	12.5 pF/ft between conductors	15.3 Ω/Mft	23.8 Ω/Mft	79%	31.7 pF/ft between conductors	6.0 Ω/Mft
18/22CRTP	95 Ω	12.5 pF/ft between conductors	15.3 Ω/Mft	23.8 Ω/Mft	82%	31.7 pF/ft between conductors	6.7 Ω/Mft

# Touch Panel Hybrid

## Hybrid Data Cables for Touch Panel Systems



### FEATURES & BENEFITS

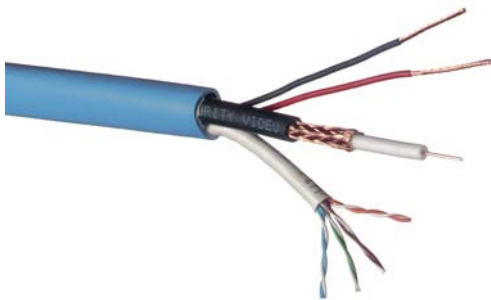
- Touch Panel Elements
- Cat5E Elements
- RG6Q Coax Elements (Optional)
- Common Outer Jacket for Easy pulling
- UL Rated for Permanent Installation

Mechanical Specifications							
Part #	Control Elements (#, Color)	Cat5E Elements (#, Color)	RG6Q Elements (#, Color)	Master Jacket (Type, Color)	Overall Diameter	UL Type	Approx. Weight
18/22CCT	1, Teal with Yellow Stripe	1, White	N/A	PVC, Teal with Red Stripe	.524"	CL3/FT-4	98 lbs/Mft
18/22CCD	1, Teal with Yellow Stripe	2, One White, One Gray	N/A	PVC, Teal with Black Stripe	.547"	CL3/FT-4	130 lbs/Mft
18/22CCQ	1, Teal with Yellow Stripe	4, One White, One Green, One Gray, One Blue	N/A	PVC, Teal with White Stripe	.652"	CL3/FT-4	189 lbs/Mft
18/22CDC	1, Teal with Yellow Stripe	2, One White, One Gray	2, Black & White	PVC, Teal with Orange Stripe	.750"	CL3/FT-4	177 lbs/Mft
18/22QM	1	1 (15ns/100m skew)	N/A	Dual-zip PVC, Teal	.462" x .242"	CL3/FT-4	70 lbs/Mft
18/22QMP	1	1 (15ns/100m skew)	N/A	Dual-zip Plenum PVC, Teal	.385" x .195"	CMP	66 lbs/Mft

Touch Panel Control ELEMENT SPECIFICATIONS, See Page #30 (pn#18/22CRT)  
 Cat5E ELEMENT SPECIFICATIONS, See Page #26 (pn#CT504/360 except on QM and QMP Types)  
 RG6Q ELEMENT SPECIFICATIONS, Contact Factory for Detailed Specifications (pn#VB18QSC)

# Elan Via!

## Coaxial and Data Cable for Elan Via! Systems



### FEATURES & BENEFITS

- Cat5E Element
- RG59 Coax Element
- 18 Gage Power Conductors
- Common Outer Jacket with Color Stripe
- UL Riser Rated for Permanent Installation

Mechanical Specifications							
Part #	Cat5E Elements (#, Color)	RG59 Elements (#, Color)	Power Elements (#, Color)	Master Jacket (Type, Color)	Overall Diameter	UL Type	Approx. Weight
182R59C5	1, White	1, Black	2x18 AWG (7x26), Stranded BC, Black & Red 6.4 Ω/Mft	PVC, Blue	.467"	CL3R FT-4	83 lbs/Mft

Cat5E ELEMENT SPECIFICATIONS, See Page #26 (pn#CT504/360)  
 RG59 ELEMENT SPECIFICATIONS, See Page #18 (pn#VC2095)

## Multi-mode Breakout Fiber

### Indoor/Outdoor Breakout Optical Fiber



#### FEATURES & BENEFITS

- Breakout Type Construction
- 62.5 micron Multi-mode Fiber Elements
- Individual Kevlar Fillers and Tube Jackets for Additional Strength
- Overall Jacket
- UL Rated for Permanent Installation

#### Fiber Specifications

Type	Mode Field Diameter	Cladding Diameter	Maximum Attenuation
Multi-mode	62.5 $\mu$	125 $\mu$	3.50 dB/km @ 850nm/1.00db/km @1300nm

#### Mechanical Specifications

Part #	Fiber Buffer	Outer Jacket	Number of Elements	Nominal OD	Maximum Tension		Minimum Bend Radius		Maximum Vertical Rise	Approx. Weight	UL Type
					Installation (Pulling)	Operating	Installation (Pulling)	Operating			
<b>FMB**R</b>	PVC Tight Buffer Coating (.9mm OD) with Kevlar Filler & PVC Tube Jacket (2.5mm OD)	PVC (Orange)	2 (Duplex)	.113"x.241"	225 lbs	112 lbs	2"	1.0"	11,200'	8 lbs/Mft	OFNR OFN FT4
			4	.325"	450 lbs	250 lbs	6.5"	3.3"	5000'	40 lbs/Mft	
			6	.377"	600 lbs	250 lbs	7.54"	3.8"	3509'	57 lbs/Mft	
			8	.445"	600 lbs	250 lbs	8.9"	4.5"	2564'	78 lbs/Mft	
			12	.567"	788 lbs	270 lbs	11.34"	5.7"	2097'	129 lbs/Mft	
<i>Multi-mode Breakout Fiber: Riser Rated</i>											
<b>FMB**P</b>	Plenum PVC Tight Buffer Coating (.9mm OD) with Kevlar Filler & PVC Tube Jacket (2.5mm OD)	Plenum PVC (Orange)	2 (Duplex)	.113"x.241"	225 lbs	112 lbs	2"	1.0"	11,200'	8 lbs/Mft	OFNP OFN FT6
			4	.272"	450 lbs	250 lbs	5.44"	2.7"	6667'	30 lbs/Mft	
			6	.323"	600 lbs	250 lbs	6.46"	3.2"	4545'	44 lbs/Mft	
			8	.400"	600 lbs	250 lbs	8.0"	4.0"	3077'	65 lbs/Mft	
			12	.523"	788 lbs	270 lbs	10.46"	5.2"	1728'	125 lbs/Mft	
<i>Multi-mode Breakout Fiber: Plenum Rated</i>											

## Multi-mode Distribution Fiber

### Indoor/Outdoor Distribution Optical Fiber



#### FEATURES & BENEFITS

- Distribution Type Construction
- 62.5 micron Multi-mode Fiber Elements
- Kevlar Filler for Strength
- Overall Jacket
- UL Rated for Permanent Installation

#### Fiber Specifications

Type	Mode Field Diameter	Cladding Diameter	Maximum Attenuation
Multi-mode	62.5 $\mu$	125 $\mu$	3.50 dB/km @ 850nm/1.00db/km @1300nm

#### Mechanical Specifications

Part #	Fiber Buffer	Outer Jacket	Number of Elements	Nominal OD	Maximum Tension		Minimum Bend Radius		Maximum Vertical Rise	Approx. Weight	UL Type
					Installation (Pulling)	Operating	Installation (Pulling)	Operating			
<b>FMD**R</b>	PVC Tight Buffer Coating with Overall Kevlar Filler (.9mm OD)	PVC (Orange)	2	.187"	180 lbs	56 lbs	3.74"	1.9"	2987'	15 lbs/Mft	OFNR OFN FT4
			4	.220"	225 lbs	91 lbs	4.4"	2.2"	3832'	19 lbs/Mft	
			6	.235"	225 lbs	91 lbs	4.7"	2.4"	3467'	21 lbs/Mft	
			8	.245"	315 lbs	104 lbs	4.9"	2.5"	3617'	23 lbs/Mft	
			12	.275"	405 lbs	135 lbs	5.5"	2.8"	3600'	30 lbs/Mft	
<i>Multi-mode Distribution Fiber: Riser Rated</i>											
<b>FMD**P</b>	Plenum PVC Tight Buffer Coating with Overall Kevlar Filler (.9mm OD)	Plenum PVC (Orange)	2	.150"	180 lbs	56 lbs	3"	1.5"	4978'	9 lbs/Mft	OFNP OFN FT6
			4	.180"	225 lbs	91 lbs	3.6"	1.8"	5200'	14 lbs/Mft	
			6	.195"	225 lbs	91 lbs	3.9"	2.0"	4853'	15 lbs/Mft	
			8	.205"	315 lbs	104 lbs	4.1"	2.1"	4622'	18 lbs/Mft	
			12	.215"	405 lbs	135 lbs	4.5"	2.3"	4909'	22 lbs/Mft	
<i>Multi-mode Distribution Fiber: Plenum Rated</i>											

## Single-mode Breakout Fiber

### Indoor/Outdoor Breakout Optical Fiber



#### FEATURES & BENEFITS

- Breakout Type Construction
- 8.3 micron Multi-mode Fiber Elements
- Individual Kevlar Fillers and Tube Jackets for Additional Strength
- Overall Jacket
- UL Rated for Permanent Installation

Fiber Specifications											
Type	Mode Field Diameter			Cladding Diameter			Maximum Attenuation				
Single Mode	8.3 μ			125 μ			≤ 0.70 dB/km @ 1310/1550nm				
Mechanical Specifications											
Part #	Fiber Buffer	Outer Jacket	Number of Elements	Nominal OD	Maximum Tension		Minimum Bend Radius		Maximum Vertical Rise	Approx. Weight	UL Type
					Installation (Pulling)	Operating	Installation (Pulling)	Operating			
FSB**R * = Number of Elements	PVC Tight Buffer Coating (.9mm OD) with Kevlar Filler & PVC Tube Jacket (2.5mm OD)	PVC (Yellow)	2 (Duplex)	.113"x.241"	225 lbs	112 lbs	2"	1.0"	11,200'	8 lbs/Mft	OFNR OFN FT4
			4	.325"	450 lbs	250 lbs	6.5"	3.3"	5000'	40 lbs/Mft	
			6	.377"	600 lbs	250 lbs	7.54"	3.8"	3509'	57 lbs/Mft	
			8	.445"	600 lbs	250 lbs	8.9"	4.5"	2564'	78 lbs/Mft	
			12	.567"	788 lbs	270 lbs	11.34"	5.7"	2097'	129 lbs/Mft	
<i>Single-mode Breakout Fiber: Riser Rated</i>											
FSB**P * = Number of Elements	Plenum PVC Tight Buffer Coating (.9mm OD) with Kevlar Filler & PVC Tube Jacket (2.5mm OD)	Plenum PVC (Yellow)	2 (Duplex)	.113"x.241"	225 lbs	112 lbs	2"	1.0"	11,200'	8 lbs/Mft	OFNP OFN FT6
			4	.272"	450 lbs	250 lbs	5.44"	2.7"	6667'	30 lbs/Mft	
			6	.323"	600 lbs	250 lbs	6.46"	3.2"	4545'	44 lbs/Mft	
			8	.400"	600 lbs	250 lbs	8.0"	4.0"	3077'	65 lbs/Mft	
			12	.523"	788 lbs	270 lbs	10.46"	5.2"	1728'	125 lbs/Mft	
<i>Single-mode Breakout Fiber: Plenum Rated</i>											

## Single-mode Distribution Fiber

### Indoor/Outdoor Distribution Optical Fiber



#### FEATURES & BENEFITS

- Distribution Type Construction
- 8.3 micron Multi-mode Fiber Elements
- Kevlar Filler for Strength
- Overall Jacket
- UL Rated for Permanent Installation

Fiber Specifications											
Type	Mode Field Diameter			Cladding Diameter			Maximum Attenuation				
Single Mode	8.3 μ			125 μ			≤ 0.70 dB/km @ 1310/1550nm				
Mechanical Specifications											
Part #	Fiber Buffer	Outer Jacket	Number of Elements	Nominal OD	Maximum Tension		Minimum Bend Radius		Maximum Vertical Rise	Approx. Weight	UL Type
					Installation (Pulling)	Operating	Installation (Pulling)	Operating			
FSD**R * = Number of Elements	PVC Tight Buffer Coating with Overall Kevlar Filler (.9mm OD)	PVC (Yellow)	2	.187"	180 lbs	56 lbs	3.74"	1.9"	2987'	15 lbs/Mft	OFNR OFN FT4
			4	.220"	225 lbs	91 lbs	4.4"	2.2"	3832'	19 lbs/Mft	
			6	.235"	225 lbs	91 lbs	4.7"	2.4"	3467'	21 lbs/Mft	
			8	.245"	315 lbs	104 lbs	4.9"	2.5"	3617'	23 lbs/Mft	
			12	.275"	405 lbs	135 lbs	5.5"	2.8"	3600'	30 lbs/Mft	
<i>Single-mode Distribution Fiber: Riser Rated</i>											
FSD**P * = Number of Elements	Plenum PVC Tight Buffer Coating with Overall Kevlar Filler (.9mm OD)	Plenum PVC (Yellow)	2	.150"	180 lbs	56 lbs	3"	1.5"	4978'	9 lbs/Mft	OFNP OFN FT6
			4	.180"	225 lbs	91 lbs	3.6"	1.8"	5200'	14 lbs/Mft	
			6	.195"	225 lbs	91 lbs	3.9"	2.0"	4853'	15 lbs/Mft	
			8	.205"	315 lbs	104 lbs	4.1"	2.1"	4622'	18 lbs/Mft	
			12	.215"	405 lbs	135 lbs	4.5"	2.3"	4909'	22 lbs/Mft	
<i>Single-mode Distribution Fiber: Plenum Rated</i>											



## Low-capacitance Multi-pair

### General Purpose Multi-pair Data Cable



#### FEATURES & BENEFITS

- Low Capacitance
- Polyethylene Dielectric
- Overall Shield & Drain Wire
- Two or Four Pairs
- CM Rated

#### Mechanical Specifications (Series)

Conductors	Insulation	Overall Shield	Overall Drain Wire	Jacket	UL Type
24 AWG (7x32) Stranded TC	PE, .015"	100% Foil	24 AWG (7x32) Stranded TC	PVC, Gray	CM

#### Mechanical Specifications (Individual)

Part #	# of Pairs	Nominal OD	Approx. Weight
<b>6104</b>	2 <i>Low Capacitance Two-pair</i>	.234"	27 lbs/Mft
<b>6108</b>	4 <i>Low Capacitance Four-pair</i>	.277"	43 lbs/Mft

#### Electrical Specifications

Capacitance	Cond. DCR	Drain DCR
12.8 pF/ft between conductors, 23.6 pF/ft between one conductor and other tied to shield	23.8 Ω/Mft	23.8 Ω/Mft

## Two-pair Shielded

### General Purpose Two-pair Data Cable



#### FEATURES & BENEFITS

- Standard Capacitance
- Polyethylene or Halar Dielectric
- Small Overall Diameter
- Individual Pair Shields
- Common Drain Wire
- CM or Plenum CMP Versions

#### Mechanical Specifications (Individual)

Part #	# of Pairs	Nominal OD	Conductors	Insulation (Type, Wall Thick, Color Code)	Shield	Common Drain Wire	Jacket (Type, Colors)	UL Type	Approx. Weight
<b>6600</b>	2 <i>Audio/Control Two-pair</i>	.173"	22 AWG (7x30) Stranded TC	PE, .008", Red & Black, White & Green	100% Foil (Each Pair)	24 AWG (7x32) Stranded TC	PVC, Black or Gray	CM	21 lbs/Mft
<b>6600HS</b>	2 <i>Audio/Control Two-pair: Plenum</i>	.178"	22 AWG (7x30) Stranded TC	Halar, .011", Red & Black, White & Green	100% Foil (Each Pair)	24 AWG (7x32) Stranded TC	Plenum PVC, White	CMP	22 lbs/Mft

#### Electrical Specifications

Part #	Capacitance	Cond. DCR	Drain DCR
6600	29 pF/ft between conductors, 53 pF/ft between one conductor and other tied to shield	15.3 Ω/Mft	23.8 Ω/Mft
6600HS	27 pF/ft between conductors, 50 pF/ft between one conductor and other tied to shield	15.3 Ω/Mft	23.8 Ω/Mft

## Lutron Homeworks™: Power

### Low-loss Power Cable for Lutron Systems



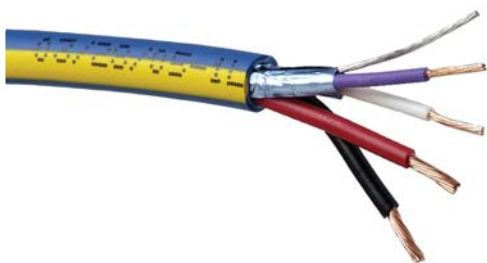
#### FEATURES & BENEFITS

- 18 Gage Conductors
- Two and Four-conductor Versions
- Shielded with Drain Wire
- Color Striped for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications									
Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Shield	Drain Wire (Type, DCR)	Jacket (Type, Color)	UL Type	Approx. Weight
<b>182LUTDS</b>	2	.268"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	PVC, .015", Nylon, .005", 600 Volt, Black & Red, 39 pF/ft Between Conductors	100% Foil	20 AWG (7x28) Stranded TC, 10.2 Ω/Mft	PVC, Blue with Pink Stripe	TC Sunlight-Resistant, Direct Burial	44 lbs/Mft
<i>Lutron Homeworks™ Power Cable: Two-conductor</i>									
<b>184LUTDS</b>	4	.314"	18 AWG (7x26) Stranded BC, 6.0 Ω/Mft	PVC, .015", Nylon, .005", 600 Volt, Black, Red, White, Green, 39 pF/ft Between Conductors	100% Foil	20 AWG (7x28) Stranded TC, 10.2 Ω/Mft	PVC, Blue with White Stripe	TC Sunlight-Resistant, Direct Burial	69 lbs/Mft
<i>Lutron Homeworks™ Power Cable: Four-conductor</i>									

## Lutron Homeworks™: Keypad

### Data and Power Cable for Lutron Keypads



#### FEATURES & BENEFITS

- 22 Gage Shielded Single-pair
- 18 Gage Power Conductors
- Low-loss PE Insulation
- Yellow Stripe for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications						
Part #	Overall Diameter	Communication Elements	Power Elements	Jacket (Type, Color)	UL Type	Approx. Weight
<b>18/22KYP</b>	.253"	Conductors: 1 Pair 22 AWG (7x30) Stranded BC, 15.3 Ω/Mft  Insulation: PE, .013", White & Violet, 22 pF/ft  Shield: 100% Foil with 24 AWG (7x32) TC Drain	Conductors: 1 Pair 18 AWG (16x30) Stranded BC, 16.7 Ω/Mft  Insulation: PVC, .015" Black & Red	PVC, Blue with Yellow Stripe	CL3 & CM	40 lbs/Mft
<i>Lutron Homeworks™ Keypad Cable</i>						

## Lutron Homeworks™ : Vareo

### Single-pair Cable for Lutron Vareo Dimmers



#### FEATURES & BENEFITS

- 22 Gage Conductors
- Foil Shield with Drain Wire
- Orange Stripe for Easy Identification
- UL Rated for Permanent Installation

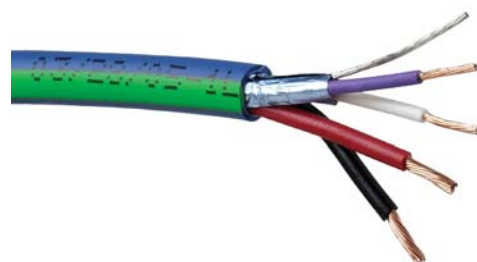
#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance )	Shield	Drain Wire (Type, DCR)	Jacket (Type, Color)	UL Type	Approx. Weight
222LUTDS	1	.176"	22 AWG (7x30) Stranded BC, 15.3 Ω/Mft	PVC, .015", Black & Red, 35 pF/ft Between Conductors	100% Foil	24 AWG (7x32) Stranded TC, 23.8 Ω/Mft	PVC, Blue with Orange Stripe	CL3, CM	19 lbs/Mft

Lutron Homeworks™ Vareo Dimmer Cable

## Lutron Grafik Eye™

### Data and Power Cable for Lutron Grafik Eye™ Systems



#### FEATURES & BENEFITS

- 22 Gage Shielded Single-pair
- 18 or 12 Gage Power Conductors
- Ground Wire (12/22LGRX Only)
- Color Stripe for Easy Identification
- UL Rated for Permanent Installation

#### Mechanical Specifications

Part #	Overall Diameter	Communication Elements	Power Elements	Ground Elements	Jacket (Type, Color)	UL Type	Approx. Weight
18/22GFE	.253"	Conductors: 1 Pair 22 AWG (7x30) Stranded BC, 15.3 Ω/Mft Insulation: PE, .013", White & Violet, 22 pF/ft Shield: 100% Foil with 24 AWG (7x32) TC Drain	Conductors: 1 Pair 18 AWG (16x30) Stranded BC, 6.7 Ω/Mft Insulation: PVC, .015", Black & Red	N/A	PVC, Blue with Green Stripe	CL3 & CM	40 lbs/Mft

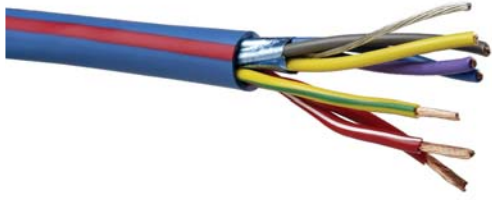
[ Lutron Grafik Eye™ : 18 AWG Power Conductors

12/22LGRX	.300"	Conductors: 1 Pair 22 AWG (7x30) Stranded BC, 15.3 Ω/Mft Insulation: PE, .013", White & Violet, 22 pF/ft Shield: 100% Foil with 24 AWG (7x32) TC Drain	Conductors: 1 Pair 12 AWG (19x25) Stranded BC, 1.8 Ω/Mft Insulation: PVC, .015", Black & Red	Conductors: 1 Cond. 18 AWG (7x26) Stranded BC, 6.0 Ω/Mft Insulation: PVC, .010", Orange	PVC, Blue with Blue Stripe	CL3 & CM	85 lbs/Mft
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Lutron Grafik Eye™ : 12 AWG Power Conductors with Ground Wire

# Lutron Sivoia

## Multi-element Cable for Lutron QED Shading Systems



### FEATURES & BENEFITS

- 18 Gage Shielded Conductors
- 16 Gage Power Conductors
- Ground Wire
- Red Stripe for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications							
Part #	Overall Diameter	Communication Elements	Power Elements	Ground Elements	Master Jacket (Type, Color)	UL Type	Weight
16/18SVA	.380"	Conductors: 4 x 18 AWG (16x30) Stranded BC, 6.7 Ω/Mft  Insulation: PE, .015", Violet, Yellow, Gray, Blue, 17.5 pF/ft  Shield: 100% Foil with 20 AWG Drain Wire (10x30) TC	Conductors: 2 x 16 AWG (26x30) Stranded BC, 4.0 Ω/Mft  Insulation: PVC, .015", Red/White & Red	Conductors: 1 x 18 AWG (16x30) Stranded BC, 6.7 Ω/Mft  Insulation: PVC, .015", Green/Yellow	PVC, Blue with Red Stripe	CL3 & CM	95 lbs/Mft

*Lutron Sivoia QED Cable*

# Vantage Control

## Low-loss and Data Cable for Vantage Control Systems



### FEATURES & BENEFITS

- Low-loss 16 Gage Conductors
- Dual-layer Dielectric
- Power and Data are Transmitted Over a Single Pair
- Purple Jacket with Yellow Stripe for Easy Identification
- UL Rated for Permanent Installation

Mechanical Specifications							
Part #	# of Cond.	Nominal OD	Conductor (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Jacket (Type, Color)	UL Type	Approx. Weight
162VANT65	2	.285"	16 AWG (65x34) Stranded BC, 4.0 Ω/Mft	PVC, .016" Nylon, .005", Black & Red, 25.7 pF/ft between conductors	PVC, Violet with Yellow Stripe	(UL) TC 600 volt or (UL) CL3 or CM 300 volt	46 lbs/Mft

*16 AWG Vantage Control Cable*

## Lite Touch: Control Stations

### Four Conductor 16 Gage Cable for Lite Touch Systems



#### FEATURES & BENEFITS

- Four 16 Gage Conductors
- Orange Jacket for Easy Identification
- UL Rated for Permanent Installation

#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Jacket (Type, Color)	UL Type	Approx. Weight
<b>164LTCH</b>	4	.300"	16 AWG (65x34) Stranded BC, 4 Ω/Mft	PVC, .015", Black, Blue, Red, White	PVC, Orange	CL3/PLTC	64 lbs/Mft

*Lite Touch: Control Station Cable*

## Lite Touch: Control Stations

### Four Conductor 22 Gage Cable for Lite Touch Systems



#### FEATURES & BENEFITS

- Four 22 Gage Conductors
- Foil Shield with Drain Wire
- UL Rated for Permanent Installation

#### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors (Type, DCR)	Insulation (Type, Wall Thick, Color Code, Capacitance)	Shield	Drain Wire (Type, DCR)	Jacket (Type, Color)	UL Type	Approx. Weight
<b>224SLTCH</b>	4	.222"	22 AWG (7x30) Stranded BC, 15.3 Ω/Mft	PVC, .015", Black, Red, White & Green, 35 pF/ft between conductors	100% Foil	24 AWG (7x32) Stranded BC, 23.8 Ω/Mft	PVC, Green	CL3 & CM	32 lbs/Mft

*Lite Touch: Enclosures & Modules Cable*

# DMX512 Lighting Control Cable

## DMX512 Lighting Control Cable for Remote or Permanent Installation



### FEATURES & BENEFITS

- True DMX512 Construction
- Two Low-capacitance Data Pairs
- Double Shield (Foil & Braid)
- Drain Wire for Easy Shield Termination
- Color-coded Conductors for Easy Identification
- Durable, Flexible, All-weather Jacket

### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors	Insulation (Type, Wall Thick, Color Code)	Shield	Drain Wire	Jacket	Approx. Weight
<b>DLC224</b>	4	.270"	24 AWG (7x32) Stranded TC	Foam PE, .020", White & Black, Red & Blue	100% Foil, 90% TC Braid	24 AWG (7x32) Stranded TC	Flexible All-weather TPE, Black	44 lbs/Mft

### Electrical Specifications

Capacitance	Characteristic Impedance	Cond. DCR	Shield & Drain DCR
12 pF/ft between conductors, 21.6 pF/ft between one conductor and other tied to shield	120 Ω	23.8 Ω/Mft	3.0 Ω/Mft

### Recommended Pinout for 5-pin XLR:

- Pin 1 - Shield
- Pin 2 - Black
- Pin 3 - Red
- Pin 4 - Blue
- Pin 5 - White



## BNC, RCA, & F-type: Crimp Connectors

### Crimp Connectors for Coaxial Cables



**KINGS**  
ELECTRONICS CO., INC.

**ADC Telecommunications**

#### FEATURES & BENEFITS

Precision impedance, three-piece crimp connectors for commercial or broadcast video applications. Broadcast-grade BNC crimp connectors utilize a precision PTFE or Ultem® dielectric and precision machined pins for a true 75Ω characteristic impedance. Bandwidth is rated up to 3GHz for uncompressed HD data rates of 1.485Gb/s. Pin and ferrule elements are separately crimped to achieve exceptional electrical and mechanical performance. RCA and F-type crimp connectors feature greater bandwidth and mechanical strength than typical consumer-grade types. Crimp connectors are available in sizes for almost any cable type; please call for additional sizes not listed.

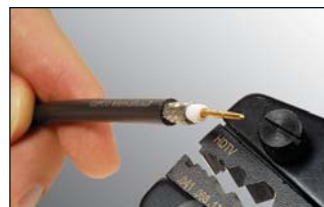
- Three-piece Crimp Design
- Broadcast Quality
- SMPTE 292M Compliant (BNC Types)
- Low Insertion and Return Loss
- Precision 75Ω Impedance
- Gold Plated Center Pin

Cable Type	Brand	CONNECTOR PART NUMBERS		
		BNC	RCA	F-TYPE
<b>RG6</b>	Kings ADC BOMAR	2065-10-9 BNC-8 HBC1694A	3345-2-9 CRCA-8 RBC1694A	----- CF-8 -----
<b>RG6 Plenum</b>	Kings ADC BOMAR	2065-10-9 BNC-10 -----	3345-2-9 CRCA-8 RBC1694A	----- CF-8 -----
<b>RG59</b>	Kings ADC BOMAR	2065-2-9 BNC-1 HBC1505A	3345-1-9 CRCA-1 RBC1505A	----- CF-1 -----
<b>RG59 Plenum</b>	Kings ADC BOMAR	2065-2-9 BNC-6 -----	3345-1-9 ----- RBC1505A	----- ----- -----
<b>RG11</b>	Kings ADC	2065-8-9 BNC-25	----- -----	----- -----
<b>23 AWG Solid or 25 AWG Stranded</b>	Kings ADC BOMAR	2065-11-9 BNC-13 HBC1855A	3345-3-9 CRCA-13 RBC1855A	----- ----- -----
<b>25 AWG Solid 26 AWG Stranded 26 AWG Solid</b>	Kings ADC	2065-29-9 BNC-16	3345-4-9 CRCA-16	----- -----



#### 1. Strip Cable

Set stripper to proper blade depth and strip cable. Stripper automatically strips cable to proper prep dimensions.



#### 2. Crimp Pin onto Center Conductor

Using smaller .042" die cavity, crimp the center pin onto center conductor of cable.



#### 3. Insert cable into Connector

Slide ferrule under braid and push cable with crimped center pin into connector body. Pin will click to assure proper captivation of center pin into connector dielectric.



#### 4. Crimp Ferrule onto Connector

Using larger cavity, crimp rear ferrule over cable shield and connector body/stem.

## Crimp Tools

### Crimp Tools for Crimp Connectors



### Paladin Tools®



Paladin 1600 Series



Paladin 8000 Series



ADC WT-2



Kings KTH1000

Professional-grade crimp tools for three-piece crimp-style connectors. Die sets are removable to allow for quick replacement with different cavity die sets for use with other connector-size formats. Most die sets feature multiple cavities for use with two or more cable sizes. All types now feature a .042" center-pin crimp for use with true 75 Ohm, High Definition connectors. Older .068" center pin die sets are also available on special order.

#### FEATURES & BENEFITS

- For Crimp-style Connectors
- .042" Center-pin Crimp
- Steel Frame
- Compatible with Multiple Cable Types
- Ergo Grip Options

Type	Part Number	Cable Type Compatibility	Type	Connector Brand Compatibility					
Paladin 1600 Series Crimp Tool & Die	PA1669	RG59/RG59P/RG6/RG6P/25AWG Stranded, 23AWG Solid	Professional Grade	ADC & Kings					
Paladin 8000 Series Crimp Tool & Die	PA8049	RG59/RG59P/RG6/RG6P/25AWG Stranded, 23AWG Solid	Economical	ADC & Kings					
ADC Crimp Tool	WT-2	Crimp Tool Frame/Handle	Professional Grade	ADC					
Kings Crimp Tool	KTH1000	Crimp Tool Frame/Handle	Professional Grade	Kings & ADC					
ADC Die Sets	<b>Part Number</b>	RG59	RG59P	Mini 23 AWG	25 AWG	26 AWG	RG6	RG6P	RG11
	WD-2	X	X	X	X	X			
	WD-5	X	X				X	X	
Kings Die Sets	<b>Part Number</b>	RG59	RG59P	Mini 23 AWG	25 AWG	26 AWG	RG6	RG6P	RG11
	KTH2025			X	X				X
	KTH2255						X	X	
	KTH2261	X	X						

## Cable Strippers

### Stripping Tools for Crimp Connectors



One-step stripper that ensures precise stripping dimensions through preset cartridges that are customized for each connector brand. Adjustable blade depth allows for proper strip depth adjustment between cable size types.

### Paladin Tools®

#### FEATURES & BENEFITS

- Strips for Dielectric, Shield, and Jacket Prep Dimensions in One Operation
- Replaceable Preset Cartridges
- For Three-piece Crimp-style Connectors
- Adjustable Blade Depth

Cable Type	Part Number	Cable Type Compatibility	Connector Brand Compatibility
Coax Stripper with Cartridge: Kings	PA1247	RG59/RG59P/RG6/RG6P/Mini	Kings
Replacement Cartridge: Kings	PA2247	RG59/RG59P/RG6/RG6P/Mini	Kings
Coax Stripper with Cartridge: ADC	PA1248	RG59/RG59P/RG6/RG6P/Mini	ADC
Replacement Cartridge: ADC	PA2248	RG59/RG59P/RG6/RG6P/Mini	ADC

## BNC, RCA, & F-type: Compression Connectors

### Compression Connectors for Coaxial Cables



#### FEATURES & BENEFITS

- Compression-style Design
- Easy to Terminate
- Multiple Connector Formats
- Color Band for Quick Identification
- Gold or Nickel Plated
- Precision 75Ω Impedance

The industry leader in compression-style connectors, ICM connectors offer installers simplified connector termination, durability, and precision electrical performance. Available in BNC, RCA, and F-type connector formats, each is available in a range of finish options and cable-fit types to accommodate installation in any residential or commercial video application.

			CONNECTOR PART NUMBERS								
Cable Type	Color Code	Finish	BNC Male	BNC Male Right Angle	BNC Female	RCA Male	RCA Male Right Angle	RCA Female	F-type Male	F-type Female	F-type Right Angle
<b>RG6</b>	Green Green	Nickel Gold	FS6BNCU RG6BNCU	FSBNC6URA -----	FS6BNCUS RG6BNCUS	FS6RCAU RG6RCAU	FSRCA6URA -----	FS6RCAUS RG6RCAUS	FS6U RG6U	FS6US RG6US	FS6URA -----
<b>RG6 Plenum</b>	Green	Nickel	FS6BNCPL2	-----	-----	FS6RCAPL2	-----	-----	FS6PL2	-----	-----
<b>RG59</b>	Red Red	Nickel Gold	FS59BNCU RG59BNCU	FSBNC59URA -----	FS59BNCUS RG59BNCUS	FS59RCAU RG59RCAU	FSRCA59URA -----	FS59RCAUS RG59RCAUS	FS59U RG59U	FS59US RG59US	FS59URA -----
<b>RG59 Plenum</b>	Red	Nickel	FS59BNCPL2	-----	-----	FS59RCAPL2	-----	-----	FS59PL2	-----	-----
<b>RG11</b>	Black	Nickel	FS11BNC	-----	-----	-----	-----	-----	FS11V	-----	-----
<b>RG11 Plenum</b>	Gray	Nickel	-----	-----	-----	-----	-----	-----	FS11PL	-----	-----
<b>23 AWG Solid 25 AWG Stranded</b>	Purple Purple	Nickel Gold	FSBNC15RGB RGBNC15RGB	FSBNC15RA -----	FS15BNCSSST RG15BNCSSST	FSRCA15RGB RGRCA15RGB	FSRCA15RA -----	FS15RCASST RG15RCASST	-----	-----	-----
<b>23 AWG Solid (1 Pc. Connector Style)</b>	Purple Purple	Nickel Gold	FS15BNC RG15BNC	-----	-----	FS15RCA RG15RCA	-----	-----	-----	-----	-----
<b>25 AWG Solid 26 AWG Stranded 26 AWG Solid</b>	Orange Orange	Nickel Gold	FSBNC1RGB RGBNC1RGB	FSBNC1RA -----	FS1BNCSSST RG1BNCSSST	FSRCA1RGB RGRCA1RGB	FSRCA1RA -----	FS1RCASST RG1RCASST	-----	-----	-----
<b>25 AWG Solid 26 AWG Solid (1 Pc. Connector Style)</b>	Orange Orange	Nickel Gold	FS1BNC RG1BNC	-----	-----	FS1RCA RG1RCA	-----	-----	-----	-----	-----

#### COLOR CODING RINGS

Red	White	Yellow	Blue	Green	Black	Orange	Purple
FSCR-R	FSCR-W	FSCR-Y	FSCR-B	FSCR-G	FSCR-BK	FSCR-O	FSCR-P



#### 1. Strip Cable

Set stripper to proper RG cable type and strip cable. Stripper automatically strips cable to proper prep dimensions.



#### 2. Insert Conductor into Pin

Push pin onto conductor and fully insert into connector. Most BNC connectors and all one-piece connectors have pre-positioned pins, further simplifying this step. F-type connectors do not utilize a center pin.



#### 3. Compress Connector with Too

One compression operation fully terminates the jacket, braid, and center conductor

## Compression Connector Tools

### Compression Tools for Compression Connectors



SLM Universal Tool



S59-11 Tool



RG11 Tool

The industry leader in compression-style connectors, ICM connectors offer installers simplified connector termination, durability, and precision electrical performance. Available in BNC, RCA, and F-type connector formats, each is available in a range of finish options and cable-fit types to accommodate installation in any residential or commercial video application.

#### FEATURES & BENEFITS

- One-step Operation
- Rugged Steel Frame
- Adapters Included
- Self Adjusting
- Ergonomic Grip

Type	Connector Type Compatibility	Part Number	RG59	RG59 Plenum	RG6	RG6 Plenum	RG11	Mini Orange	Mini Purple	Speaker
SLM Compression Tool	RCA, F-type, BNC	CPLCCT-SLM	X	X	X	X		X	X	X
S59-11 Compression Tool	RCA, F-type	CPLCCT-S59-11	X	X	X	X	X			
RG11 Compression Tool	BNC	CPLCCT-L					X			

## Compression Cable Strippers

### Strippers for Compression Connectors



PS59/6/RGB



PSA59/6

#### FEATURES & BENEFITS

- Strips Dielectric, Shield, and Jacket to Prep Dimensions in One Operation
- Preset Dimensions
- Additional Adjustability (PSA59/6)
- Spare Cartridge Included
- One-step Operation

Type	Features	Cable Type Compatibility	Part Number
RG59/6 Coax Stripper for ICM Connectors	Greater Spring Tension, Flaring, Ideal for RG59/6	RG59/6/6Q	PSA59/6
Replacement Cartridge	Replacement Blade Cartridge for PSA59/6	RG59/6/6Q	PSCA59/6
Mini Coax Stripper for ICM Connectors	Ideal for Miniature Coax, Also Works with RG59/6	RG59/6/Miniature	PS59/6/RGB
Replacement Cartridge	Replacement Blade Cartridge for PS59/6/RGB	RG59/6/Miniature	PSC59/6/RGB

## BNC Feedthrough Connectors

### In-line and Panel Mount

**KINGS**  
ELECTRONICS CO., INC.

**ADC Telecommunications**



#### FEATURES & BENEFITS

- True 75Ω Impedance
- Gold Plated Center Pin
- 3 GHz Bandwidth
- Electrically Isolated (Panel Mount Types)

Type	Brand	Part Number	Description	Notes
<b>In-line Feedthrough BNC</b>	ADC KINGS Stereon	BNC-STRT-ADPT 2029-15-9 200-160	Inline BNC F to F Feedthrough Inline BNC F to F Feedthrough Inline BNC F to F Feedthrough	Inline, Not for Panel Mounting Inline, Not for Panel Mounting Inline, Not for Panel Mounting
<b>Panel Mount Feedthrough BNC</b>	ADC ADC KINGS Bomar	BHFT-I1 BHFT-I2 2029-17-9 HBC335R744	Panel Mount, BNC F to F Feedthrough, Isolated Panel Mount, BNC F to F Feedthrough, Isolated Panel Mount, BNC F to F Feedthrough, Isolated Panel Mount, BNC F to F Feedthrough, Isolated	.580" Mounting Hole 1/2" D Mounting Hole 1/2" D Mounting Hole 1/2" D Mounting Hole

## Square Flange, Panel Mount Connectors

### Modular Video and Network Serves

**NEUTRIK**  
**Switchcraft**



#### FEATURES & BENEFITS

- Multiple Connector Options
- Uses Universal D-type Hole Punch
- Nickel or Black Shell
- Feedthrough-type Connectors

Type	Brand	Part Number	Description	Color Options
<b>BNC</b>	Neutrik Switchcraft Switchcraft	NBB75DFI EHBNC2R EHBNC	BNC F to F Feedthrough, Recessed BNC F to F Feedthrough, Recessed BNC F to F Feedthrough, Nonrecessed	Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell
<b>RCA</b>	Neutrik Switchcraft	NF2D-(color) EHRCA2	RCA F to Solder Tabs, Recessed RCA F to F Feedthrough, Recessed	Nickel or Black Shell Nickel or Black Shell
<b>USB</b>	Neutrik Switchcraft Switchcraft	NAUSB EHUSBAB EHUSBBA	USB Type A to USB B (Reversible Front/Rear) USB Type A (Front) to USB Type B (Rear) USB Type B (Front) to USB Type A (Rear)	Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell
<b>Firewire</b>	Neutrik Switchcraft Switchcraft	NA1394-6 EHFW2 EHFWX2	Firewire F to F Feedthrough Firewire F to F Feedthrough Firewire F to F Feedthrough, Cross-wired	Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell
<b>9-pin D-sub</b>	Switchcraft Switchcraft Switchcraft	EHDB9MM EHDB9FF EHDB9MF	9-pin D-sub, M to M Feedthrough 9-pin D-sub, F to F Feedthrough 9-pin D-sub, M to F Feedthrough	Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell
<b>15-pin D-sub</b>	Switchcraft Switchcraft Switchcraft	EHHD15MM EHHD15FF EHHD15MF	15-pin HD VGA D-sub, M to M Feedthrough 15-pin HD VGA D-sub, F to F Feedthrough 15-pin HD VGA D-sub, M to F Feedthrough	Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell Nickel or Black Shell



## VGA Connectors

### 15-pin HD Type



#### FEATURES & BENEFITS

- Metal Shells
- Gold Plated Pins
- Solder Contacts
- High Density 15-pin Type
- For VGA Applications
- Optional Thumb Screws

Type	Part Number	Brand	Contact Finish and Type	Body Finish
15-pin HD D-sub VGA: Male	DNH-15PTSH-G	KLT	Gold Plated Solder Pins	Nickel
15-pin HD D-sub VGA: Male	DHS-15P	PAN	Gold Plated Solder Pins	Nickel
15-pin HD D-sub VGA: Female	DNH-STSH-G	KLT	Gold Plated Solder Sockets	Nickel
15-pin HD D-sub VGA: Female	DHS-15S	PAN	Gold Plated Solder Sockets	Nickel
15-pin HD Shell: Metal	HMT09-11	KLT	-----	Metal
Thumb Screws	GEP-METRIC THMB SCRW	GEP	-----	Metal

## SVHS Connectors

### 4-pin Mini-DIN



#### FEATURES & BENEFITS

- Black Chrome Body
- Gold Plated Pins
- Solder Contacts
- Four-pin Mini-DIN Type
- For SVHS Applications

Type	Part Number	Brand	Contact Finish and Type	Body Finish
SVHS 4-pin: Male	30-505	CAL	Gold Plated Solder Pins	Black Chrome
SVHS 4-pin: Female	30-618	CAL	Gold Plated Solder Sockets	Black Chrome

## D-sub Multi-pin Connectors and Crimp Tools

### Connectors for Audio, Video, or Data Applications



#### FEATURES & BENEFITS

- Industry Standard D-sub Type Connector
- Crimp or Solder Contacts
- Metal or Plastic Shell
- 9, 15, 25, 37, or 50-pin Versions

#### D-SUB MULTI-PIN CONNECTORS

	MALE CONNECTORS			FEMALE CONNECTORS			CONNECTOR SHELLS	
	Solder Insert with Solder Pins	Crimp Type Insert	Crimp Pins	Solder Insert with Solder Pins	Crimp Type Insert	Crimp Pins	Metal	Plastic
<b>D-sub 9</b>	AIM-40-9709M PAN-DS-9P KLT-DN-09PYSH-56	PAN-DH-9HP	AMP-205089-1	AIM-40-9709S PAN-DS-9S KLT-DN09-STSH-G	PAN-DH-9HS	AMP-205090-1	KLT-HMT09-11 (Large Hole) KLT-HMT09-7 (Small Hole) AMP-748676-1	CAL-TS-9
<b>D-sub 15</b>	AIM-40-9715M PAN-DS-15P KLT-DNH-15PTSH-6	PAN-DH-15HP	AMP-205089-1	AIM-40-9715S PAN-DS-15S KLT-DNH15-STSH-G	PAN-DH-15HS	AMP-205090-1	AMP-748676-2	PAN-TS-15
<b>D-sub 25</b>	AIM-40-9725M PAN-DS-25P KLT-DNS-25PTSH-G	PAN-DH-25HP	AMP-205089-1	AIM-40-9725S PAN-DS-25S	PAN-DH-25HS	AMP-205090-1	AMP-748676-3	CAL-TS-25
<b>D-sub 37</b>	AIM-40-9737M PAN-DS-37P KLT-DNS-37PYSH-G	PAN-DH-37HP	AMP-205089-1	AIM-40-9737S PAN-DS-37S KLT-DS37-STSH-G	PAN-DH-37HS	AMP-205090-1	AMP-748676-4	CAL-TS-37
<b>D-sub 50</b>	AIM-40-9750M PAN-DS-50P	PAN-DH-50HP/T	AMP-205089-1	AIM-40-9750S PAN-DS-50S	PAN-DH-50HS/T	AMP-205090-1	AMP-748676-5	CAL-TS-50

#### D-SUB CRIMP TOOLS

Part Number	Description
PAL-PA1440	D-sub Crimp Tool 4-way Indent—Mfg by Paladin
AMP-91067-2	D-sub Insertion/Extraction Tool for Crimp Contacts—Mfg by AMP

Paladin D-sub Crimp Tool



D-sub Insertion/Extraction Tool





## Neutrik XLR Audio Connectors

### Professional-grade Connectors for Balanced Audio Applications



#### FEATURES & BENEFITS

- Precision-machined Tips & Contacts
- Integrated Chuck Strain Relief
- Gold Plated Options
- Solder Contacts
- Professional-grade Designs
- Easy to Terminate



Through innovative and industry-leading designs, Neutrik connectors feature precision contacts, rugged strain-relief systems, and streamlined termination. Proven in broadcast and pro-audio applications, Neutrik connectors deliver exceptional durability, long mating-life, minimal loss, and ergonomic designs. Neutrik connectors are available in multiple connector and finish options. In addition to standard stock items, Gepco can special order the full line of Neutrik connectors.

Connector Type	Body Finish	Contact Plating	Color Band	Part Number
XLR Male: Cable Mount	Black	Gold	Optional	NC3MX-B
	Black	Nickel	Optional	NC3MX-BAG
	Nickel	Nickel	Optional	NC3MX
XLR Male: Panel Mount	Black	Gold	Optional	NC3MD-L-1-B
	Black	Nickel	Optional	NC3MD-L-1-BAG
	Nickel	Nickel	Optional	NC3MD-L-1
XLR Female: Cable Mount	Black	Gold	Optional	NC3FX-B
	Black	Nickel	Optional	NC3FX-BAG
	Nickel	Nickel	Optional	NC3FX
XLR Female: Panel Mount	Black	Gold	Optional	NC3FD-L-1-B
	Black	Nickel	Optional	NC3FD-L-1-BAG
	Nickel	Nickel	Optional	NC3FD-L-1

## Neutrik 1/4" Audio Connectors

### Professional TRS and TS Plugs



Connector Type	Body Finish	Contact Plating	Color Band	Part Number
1/4" TRS	Black	Gold	Optional	NP3C-B
	Black	Silver	Optional	NP3C-BAG
	Silver	Silver	Optional	NP3C
1/4" TS	Black	Gold	Optional	NP2C-B
	Black	Silver	Optional	NP2C-BAG
	Silver	Silver	Optional	NP2C
1/4" TRS Thin Profile	Black	Gold	Optional	NP3X-B
	Black	Silver	Optional	NP3X-BAG
	Silver	Silver	Optional	NP3X
1/4" TS Thin Profile	Black	Gold	Optional	NP2X-B
	Black	Silver	Optional	NP2X-BAG
	Silver	Silver	Optional	NP2X

## Neutrik RCA and 3.5mm Connectors

### Professional Grade Connectors for Consumer Formats



Connector Type	Body Finish	Contact Plating	Color Band	Part Number
RCA	Black	Gold	Specify: Black, Blue, Red, or Yellow	NYS373
3.5mm TRS	Black	Gold	N/A	NYS231B
	Silver	Silver	N/A	NYS231

## Switchcraft XLR Audio Connectors

Professional-grade Connectors for Balanced Audio Applications



### FEATURES & BENEFITS

- Precision-machined Tips & Contacts
- Set-screw Locking Mechanism
- Gold-plated Options
- Solder Contacts
- Professional-grade Designs
- Extra-rugged

Connector Type	Body Finish	Contact Plating	Part Number
XLR Male: Cable Mount	Black	Gold	A3MBAU
	Black	Nickel	A3MB
	Silver	Nickel	A3M
XLR Male: Panel Mount	Black	Gold	D3MBAU
	Black	Nickel	D3MB
	Silver	Nickel	D3M
XLR Female: Cable Mount	Black	Gold	A3FBAU
	Black	Nickel	A3FB
	Silver	Nickel	A3F
XLR Female: Panel Mount	Black	Gold	D3FBAU
	Black	Nickel	D3FB
	Silver	Nickel	D3F

## Switchcraft 1/4" Audio Connectors

Professional TRS and TS Plugs



Connector Type	Body Finish	Contact Plating	Features	Part Number
1/4" TRS	Nickel	Nickel	Standard Version	297
	Nickel	Nickel	Larger Soldering Tab without Thru-hole	299
1/4" TS	Nickel	Nickel	Standard Version	280/285
	Nickel	Nickel	Large Handle for Speaker Type Cables	188

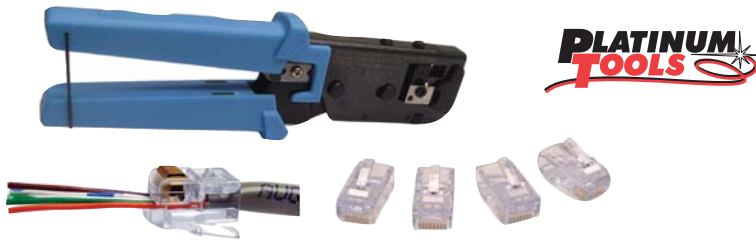
## Switchcraft RCA and 3.5mm Connectors

Professional-grade Connectors for Consumer Formats



Connector Type	Body Finish	Contact Plating	Features	Part Number
RCA	Nickel	Nickel	Larger Solder Cup and Thru-hole	3502A
	Nickel	Gold	Larger Solder Cup and Thru-hole	3502AAU
	Black	Gold	Larger Solder Cup and Thru-hole	3502ABAU
3.5mm TRS	Nickel	Nickel	Heavy Duty 3.5mm	35HDNN
3.5mm TS	Nickel	Nickel	Heavy Duty 3.5mm	780

## Easy Term RJ45 and RJ12/11 Connectors & Tooling



The EZ RJ45 connector series simplifies category network terminations by allowing the wires to be inserted through the connector and out the front, allowing for the technician to easily verify the proper wiring order. The connector termination also optimizes electrical performance by pulling the connector down over the cable jacket and seating it tightly in the rear of the connector. As a result, the distance between pair twists is reduced and electrical performance is improved.

Connector Type	Description	Part Number
<b>RJ45 Cat5E - Pack of 50</b>	Easy Term Cat5E RJ45 - 50pc	100003
<b>RJ45 Cat5E - Tool &amp; Connectors</b>	50 Connectors & Tool Kit	100005
<b>RJ45 Boots</b>	Rubber Boots for Cat5E RJ45 Connectors	32-2900BK
<b>RJ45 Cat6 - Pack of 50 without Boots</b>	Easy Term Cat6 RJ45 - 50pc	100010C
<b>RJ45 Cat6 - Pack of 30 with Boots</b>	Easy Term Cat6 RJ45 - 30pc with Boots	100011C
<b>RJ45 Cat6 Boots - Pack of 50</b>	Boots for Cat6 Connectors	100030BK
<b>Crimp Tool</b>	Easy Term Tool (for Cat5, Cat6)	100004
<b>Crimp Tool: Professional</b>	Easy Term Tool (for Cat5, Cat6, & RG12/11)	100044
<b>RJ12/11 Connector- Pack of 50</b>	Easy Term Type - 50pc (Works with 100044 Tool)	100026C

### FEATURES & BENEFITS

- One-piece Clamshell-style Connector
- Through-hole Wire Design
- Easy to Terminate
- Meets or Exceeds TIA/EIA Cat5e or Cat6 Requirements
- Optional Strain Relief Boots

## Neutrik EtherCon® Connectors



The Neutrik EtherCon® series of connectors delivers a rugged and professional solution for the interfacing of Category RJ45 connector formats. The outer shell and integrated chuck provide a locking mechanism, strain relief, and a protective outer shell. The slip and clamp design of the components allow the EtherCon® to be assembled onto preterminated RJ45 cable assemblies.

### FEATURES & BENEFITS

- Durable Construction
- Compatible with Preterminated RJ45 Cables
- Cable and Panel Mount Versions
- Integrated Chuck Strain Relief
- Locking Mechanism
- RJ45 Sold Separately

Connector Type	Features	Part Number
<b>Cable Mount</b>	Fits Cables up to 5mm: Black Housing	NE8MC-B
<b>Cable Mount: Tactical Cable</b>	Fits Cables up to 8mm: Black Housing	NE8MC-1-B
<b>Inline Coupler</b>	Female to Female	NE8FF
<b>Panel Mount: Feedthrough</b>	Female to Female RJ45: Black Shell	NE8FDP-B
<b>Panel Mount: Krone Punch Down</b>	Female to Krone Punch Down: Black Shell	NE8FDV-YK-B
<b>Panel Mount: 110Ω Punch Down</b>	Female to 110Ω Punch Down: Black Shell	NE8FDV-Y110-B

## Cable Stripping Tools



15015

15010

Economical tools designed for stripping the jacket from twisted-pair, multi-core, and fiber optic cables. The self-adjusting design eliminates the need for user calibration and will not nick the inner conductors. The one-piece design is easy to use and features durable blades for exceptional service life.

### FEATURES & BENEFITS

- For Stripping Cable Jackets
- Will Not Nick Inner Conductors
- Self Adjusting
- One-piece Design
- Long Blade Life

Type	Cable Compatibility	Description	Part Number
<b>Cat5E Cable Stripper</b>	Category 5 or 5E	Economical	15015
<b>Cyclops 2 Cable Jacket Stripper</b>	Category, Fiber, or Other Cables up to .430" in Diameter	Professional	15010

## Speaker Connectors: Compression

### Compression Connectors for Audio Applications



#### FEATURES & BENEFITS

- Compression-style Design
- Easy to Terminate
- Interchangeable Spade, Binding Post, or Pin Tips
- Gold Plated
- Exceptionally Durable and Secure
- For Use with SLM Compression Tool



The new ICM audio compression connector series provides a durable and professional connector solution for speaker interconnects. Based upon ICM's compression video connector design, the audio series utilizes a simple one-step compression termination method that is exceptionally durable and secure. Tips are interchangeable to allow for quick connector format conversion.

Description	Part Number	Contact Finish	Tool	Packaging
<b>Straight Body</b>	RGSPU	Gold Plated	Use with SLM Tool	4 Per Package
<b>Right-angled Body</b>	RGSPURA	Gold Plated	Use with SLM Tool	4 Per Package
<b>Spade Tip</b>	RGSPB	Gold Plated	Threads onto Body - No Tool Required	Each
<b>Banana Tip</b>	RGSPB	Gold Plated	Threads onto Body - No Tool Required	Each
<b>Pin Tip</b>	RGSPB	Gold Plated	Threads onto Body - No Tool Required	Each

#### COLOR CODING RINGS

Red	White	Yellow	Blue	Green	Black	Orange	Purple
FSCR-R	FSCR-W	FSCR-Y	FSCR-B	FSCR-G	FSCR-BK	FSCR-O	FSCR-P



## Speaker Connectors: Twist

### Gold Plated, with Twist Termination



#### FEATURES & BENEFITS

- Twist Termination
- No Tooling Required
- Gold Plated
- Color Coded
- Banana-type Contacts

Description	Contact Finish	Part Number
<b>Banana Plug</b>	Gold Plated	30-602-BK/RD

(Set of Two: One Red, One Black.)

## Speaker Connectors

### Standard Nickel Plated Type



#### FEATURES & BENEFITS

- Screw Termination
- Nickel Plated
- Black or Red Connector Body
- Banana-type Contacts

Description	Contact Finish	Part Number
<b>Banana Plug</b>	Nickel	HHS-210-102 (Red) HHS-210-103 (Black)

## Keystone Wall Plates

The Keystone wall plate series features a simple, one-piece design that can accommodate any ICM audio, video, or network connector module. Each port features an easy-to-use clip mount system that allows connector modules to be quickly mounted or removed. Available in white, ivory, almond, or black finish, the Keystone series comes preconfigured with one to six connector ports.

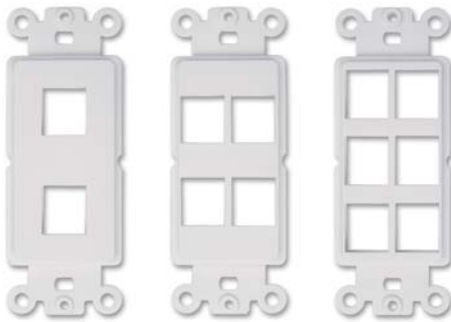


### OPTIONS

- White, Ivory, Almond, or Black
- Interchangeable Modules
- One to Six Ports
- Audio, Video, and Data Connector Options
- Single Gang Width

Number of Ports	Gang Width	COLOR			
		Almond	Black	Ivory	White
1	Single	HIPWPAL	HIPWPBK	HIPWPV	HIPWPWH
2	Single	HIPWP2AL	HIPWP2BK	HIPWP2V	HIPWP2WH
3	Single	HIPWP3AL	HIPWP3BK	HIPWP3V	HIPWP3WH
4	Single	HIPWP4AL	HIPWP4BK	HIPWP4V	HIPWP4WH
6	Single	HIPWP6AL	HIPWP6BK	HIPWP6V	HIPWP6WH

## Decora Wall Plates & Inserts



The Decora series offers greater wall plate options and customization through its configurable inserts and larger gang widths. Each insert is ported to accommodate one to six connector modules, allowing designers and installers to customize the exact amount of inputs or outputs. Each port features an ICM universal clip mount that can accommodate any ICM audio, video, or network wall plate connector module.



### OPTIONS

- White or Ivory
- Interchangeable Modules
- Configurable Inserts
- Audio, Video, and Data Connector Options
- Single Through Quad Gang Widths

### DECORA WALL PLATES

Gang Width	COLOR	
	Ivory	White
Single	HIPDWP1V	HIPDWP1WH
Double	HIPDWP2V	HIPDWP2WH
Triple	HIPDWP3V	HIPDWP3WH
Quad	HIPDWP4V	HIPDWP4WH

### DECORA INSERTS

Number of Ports	COLOR	
	Ivory	White
1	HIPDI1V	HIPDI1WH
2	HIPDI2V	HIPDI2WH
3	HIPDI3V	HIPDI3WH
4	HIPDI4V	HIPDI4WH
6	HIPDI6V	HIPDI6WH

## Compression Connector Modules Keystone Wall Plate Mounting System



Assembled Connector with Module Clip and Color ID Ring

ICM wall plate connector modules feature the same easy-to-terminate, one-step compression-style connector design in a wall plate module configuration. Modules feature an easy-to-install clip mount that allows for the connector to be quickly mounted or removed in either the Keystone or Decora series wall plate systems. Each connector type is available in multiple color tab options for wall plate color matching.

All connector modules feature gold-plated contacts and are available in a full range of audio, video, and network connector formats. In addition, the RCA and Audio Binding Posts are available with color bands for quick channel identification.

### FEATURES & BENEFITS

- Compression-style Connectors
- Color Options for Wall Plate Matching
- Separate Mounting Clip (BNC, RCA, F-type)
- Color Rings for Coding (BNC, RCA, F-type)
- Audio, Video, and Network Formats
- Easy to Install or Remove
- For Use with Keystone or Decora Series Wall Plates



#### AUDIO AND VIDEO CONNECTOR MODULES

Type	Finish	RG59	RG6	25 AWG Stranded 23 AWG Solid	25 AWG Solid 26 AWG Solid 26 AWG Stranded
<b>BNC Female</b>	Nickel Gold	FS59BNCUS RG59BNCUS	FS6BNCUS RG6BNCUS	FS15BNCST RG15BNCST	FS1BNCST RG1BNCST
<b>RCA Female</b>	Nickel Gold	FS59RCAUS RG59RCAUS	FS6RCAUS RG6RCAUS	FS15RCASST RG15RCASST	FS1RCASST RG1RCASST
<b>F-type Female</b>	Nickel Gold	FS59US RG59US	FS6US RG6US	----- -----	----- -----

#### SPEAKER CONNECTOR MODULES


Type	Finish	Part Number	Packaging
<b>5-way Binding Post</b>	Gold	RGSBPOST	Pack of Two (One Red, One Black)

#### MOUNTING CLIPS AND ACCESSORIES



Type	Part Number
 <p><b>Keystone Module Clip (For BNC, RCA, F-type, and Binding Post Keystone Mounting)</b></p>	HIPO(color) White, Almond, Black, or Ivory
 <p><b>Color Ring (For RCA or BNC Connectors)</b></p>	HIPO(color) Red, Blue, Green, Yellow, Black, White, Orange, or Purple




## 3.5mm Modules

	Part Number	Type	Available Colors
	CAL-72-310-(color)	3.5mm Stereo Female to Female, Recessed Insert	BLACK IVORY WHITE



## Fiber Optic Modules

	Part Number	Type	Available Colors
	CA-72-216-(color)	ST to ST Fiber Optic Feedthrough	BLACK WHITE
	CAL-72-320-(color)	TOSLINK Recessed Feedthrough	BLACK IVORY WHITE


## BNC Modules

	Part Number	Type	Available Colors
	CAL-72-307	75Ω BNC Feedthrough	BLACK BLUE GREEN IVORY RED WHITE YELLOW



## RJ11 Modules

	Part Number	Type	Available Colors
	ICM-IPRJ11-50(color)	RJ11 Jack: Punch Down	ALMOND IVORY BLACK WHITE
	ICM-HIPPDRJ11(color)	RJ11 Jack: Tool-less Snap Down	IVORY WHITE


## RJ45 Modules

	Part Number	Type	Available Colors
	ICM-IPRJ45-50(color)	RJ45 Cat 5E Jack: Punch Down	ALMOND BLUE IVORY BLACK ORANGE WHITE
	ICM-HIPPDC5E(color)	RJ45 Cat 5E Jack: Tool-less Snap Down	IVORY WHITE


### USB Modules

	Part Number	Type	Available Colors
	CAL-72-125K	USB Type A Feedthrough, Female to Female	BLACK
	CAL-72-126K	USB Type B Feedthrough, Female to Female	BLACK



### Firewire Modules

	Part Number	Type	Available Colors
	CAL-72-122K	6 Pin Firewire Feedthrough, Female to Female	BLACK



### F-type Modules

	Part Number	Type	Available Colors
	CAL-72-211	F-type Feedthrough, Female to Female	IVORY WHITE



### SVHS Modules

	Part Number	Type	Available Colors
	CAL-72-311G	SVHS Feedthrough Keystone, Male to Female	WHITE
	CAL-72-312G	SVHS Feedthrough Keystone, Female to Female	WHITE



### Blank Modules

	Part Number	Type	Available Colors
	ICM-BLANKMOD-(color)	Blank Keystone Module	WHITE ALMOND BLACK IVORY
	ICM-IPU(color)M	Blank Hex Insert Module	WHITE ALMOND BLACK IVORY


## DB15 Decora Modules

	Part Number	Type	Color
	CAL-28-161G	Single VGA DB15 (F-F) Feedthrough, Decora Type	WHITE
	CAL-28-162G	Dual VGA DB15 (F-F) Feedthrough, Decora Type	WHITE
	CAL-28-160G	Single VGA DB-15 (F-F) Feedthrough & Dual RCA Feedthrough, Decora Type	WHITE

## HDMI Decora Modules

	Part Number	Type	Color
	CAL-28-166	Single HDMI (F-F) Feedthrough, Decora Type	WHITE
	CAL-28-167	Dual HDMI (F-F) Feedthrough, Decora Type	WHITE

## DVI Decora Module

	Part Number	Type	Color
	CAL-28-163	Single DVI-I (F-F) Feedthrough, Decora Type	WHITE

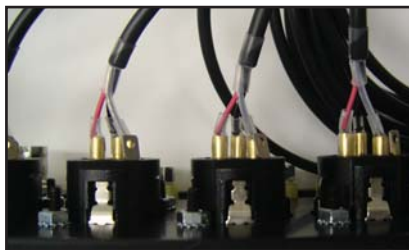
## Custom Panels



### FEATURES & BENEFITS

- Custom-made to User Specifications
- One Piece or High Volume
- Quick Delivery
- Multiple Material and Finish Options
- Connector Loading and Wiring Available

From wall plates to custom rack-mountable chassis, Gepco can produce almost any type of custom panel for Commercial A/V or Residential Applications. With a wide variety of material, lettering, and connector options, each panel can be customized to the exact finish and unique I/O requirements of your system. To simplify installation, panels can also be ordered preloaded with connectors or prewired/harnessed with cable. Contact a Gepco representative for details.



### CONNECTOR OPTIONS

- BNC
- RCA
- F-type
- XLR
- 1/4"
- Binding Post
- USB
- FireWire
- EtherCon™
- RJ45 Cat5E
- RJ45 Cat6
- RJ12/11
- D-sub
- EDAC
- SVHS
- VGA
- DVI
- HDMI
- Switches
- Other Types Also Available

### LETTERING OPTIONS

- Engraved
- Engraved and Paint Filled
- Silk Screened

### MATERIALS & FINISHES

- Anodized Aluminum
- Laminated
- Painted
- Powder Coated
- Stainless Steel

Pre-wiring and Harnessing Available.

## Passive Splitters - 3GHz



Part Number	Description	Bandwidth
ICM-HIP-S2H	2 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIP-S3H	3 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIP-S4H	4 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIP-S6H	6 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIP-S8H	8 WAY HORIZONTAL SATELLITE SPLITTER	3GHz

## Passive Splitters- 1GHz



Connector Part Number	Description	Bandwidth
ICM-HIP-2H	2 WAY HORIZONTAL SPLITTER	1GHz
ICM-HIP-3H	3 WAY HORIZONTAL SPLITTER	1GHz
ICM-HIP-4H	4 WAY HORIZONTAL SPLITTER	1GHz

## Active Splitters- 1GHz



Part Number	Description	Bandwidth
ICM-HIP1004V	2 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIP1008V	3 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIP10016V	4 WAY HORIZONTAL SATELLITE SPLITTER	3GHz
ICM-HIPPA	6 WAY HORIZONTAL SATELLITE SPLITTER	3GHz

# RhinoPRO™ Professional Labeling Printers

## Streamlined Operation with A/V Specific Features



RhinoPro™ 5000

RhinoPro™ 3000

Dymo RhinoPRO™ label printers provide a convenient system for printing labels, tags, and heat shrink in a durable and compact design that is ideal for field use and on-site installations. With streamlined operation, navigation, and unique macro functions, the RhinoPRO™ series has many features specifically designed for A/V, broadcast, and residential installations.

Both the 3000 and 5000 series feature replaceable cartridges, hot keys for quick entry, incremental printing, text style and size options, and electrical symbols. The 5000 series adds a two-line LCD display, capacity for 3/4" cartridges, four lines of label printing, a patch panel hot key, and bar code printing capabilities.

Cartridges are available in tape, heat shrink, and tag formats in a variety of colors. The printing method is a thermal transfer process for clear legibility and long-term durability.

### FEATURES & BENEFITS

- Prints on a Variety of Labels, Tags, or Heat Shrink
- Easy to Use
- Durable Thermal Transfer Printing
- Rugged Rubber Case
- Backlit Display
- Battery or AC Power (Optional)

### PRINTER FUNCTIONS

- Hot Keys for Quick Entry
- Vertical or Horizontal Orientation
- Incremental Printing – Both Numeric and Alphabetical
- Text Size & Style Options
- Up to Two Lines of Printed Text (4 Lines on 3/4" Label with 5000 Series)
- Electrical Symbols

### RhinoPRO™ PRINTERS

Part Number	Label Cassette Compatibility	Display	Additional Functions
RhinoPRO™ 5000	1/4", 3/8", 1/2", 3/4"	2 Line	Bar Code 39 and Code 128 Printing; Accepts 3/4" Labels; 4 Lines of Printing (on 3/4" Labels); Patch Panel Hot Key
RhinoPRO™ 3000	1/4", 3/8", 1/2"	1 Line	-----



Dymo Label Cartridges

### LABEL CARTRIDGES

Type	Diameter	Color
Nylon Tape	1/2" or 3/4"	White or Yellow
Heat Shrink	1/4", 3/8", 1/2", or 3/4"	White or Yellow
Perm Poly Tape	3/8", 1/2", or 3/4"	White or Metalized
Vinyl	3/8", 1/2", or 3/4"	White, Yellow, Orange, Red, or Green
Non-adhesive Tag	1/4", 3/8", 1/2", or 3/4"	White or Yellow



## Soldering Irons

Weller®



W60P



WES51

### W60P Soldering Iron

#### FEATURES & BENEFITS

- 700°F Temperature
- Portable
- Replaceable Tip (Shape and Temperature Options)
- Stainless Steel Modular Heater
- Economical

### WES51 Soldering Station

#### FEATURES & BENEFITS

- 350°F - 850°F Adjustable Temperature Range
- Precision Temperature Control
- Replaceable Tip
- Auto Power Down
- Slim and Comfortable Pencil
- Non-burnable Silicone Rubber Cord

Type	Features	Part Number
Weller Soldering Iron	60 watts, 120V, 700°F, 2-wire, Controlled Output	W60P
Weller Soldering Station	120V, 350°F - 850°F, Variable Output	WES51

## Heat Gun



Weller®

#### FEATURES & BENEFITS




- Light Weight & Portable
- 750°F - 800°F Temperature Range
- Heavy Duty Heater and Fan Components
- Hot and Cool Settings
- Heat Reflectors Also Available

Type	Features	Part Number
Weller Heat Gun	250 watts, 120V, 13oz, Light Weight	6966C













## Wire Strippers

	Type	Wire Gage Range	Features	Part Number
	Stripax Pro 6	28 - 10 AWG	Paladin - Professional Grade, Large Handle	1113
	Mini-stripax Plus	28 - 18 AWG	Paladin - Small Handle	1115P
	Wire Strippers	Adjustable	Xcelite - Adjustable	1015
	GripP Strippers Large	22 - 10 AWG	Paladin - Contoured Stripping, Ergo Grip	1117
	GripP Strippers Small	30 - 20 AWG	Paladin - Contoured Stripping, Ergo Grip	1118
	Data ShurStrip Tool™	23 - 24 AWG UTP/STP Multi-conductor Bundles up to .5" 14 - 8 AWG Wire	Paladin - Multi-purpose Cutter and Stripper for Data, Telephone, and Network Cables	1116

## Wire Cutters

	Type	Features	Part Number
	Standard Wire Cutters	Xcelite - Oval Head, Semi-flush, 100mm	MS54
	Standard Wire Cutters - Accu-Lite	Xcelite - Oval Head, Semi-flush, 138mm Foam Handles	EMS54
	Professional Wire Cutters	Erem - Oval Head, Semi-flush, 115mm Tungsten Blade	599TFO

## Miscellaneous Installation Tools &amp; Accessories

	Description	Features & Benefits	Part Number
	Pay-off Systems: Rack-a-Tier	Pull or Push Cable or Fish Tape Slotted Puck Protects Hands Improves Grip Provides Stable Base for Terminating Keystone Jacks and F-connectors	RAT-11455
	Compact Cable Caddie for 20" X 16" Reels	Wheels: None	ICM-CC2016B
	Cable Caddie for 20" X 24" Reels	2 - 6" Wheels	ICM-CC2024
	Cable Caddie for 20" X 24" Reels	2 - 8" Wheels	ICM-CC2024-8
	Dual Cable Caddie for up to Two Reels	2 - 8" Wheels	ICM-CC2036
	Cable Pulling Puck	Pull or Push Cable or Fish Tape Slotted Puck Protects Hands Improves Grip Provides Stable Base for Terminating Keystone Jacks and F-connectors	100333
	Cable Tie Gun	For Tightening Ties Around Cable Bundles Use with Plastic Ties up to .25" in Width Fastens and Cuts in One Action Adjustable Tension	PA1828.1
	Dry Wall Cutting Tool	Cuts up to 1" Drywall/Gypsum Board Cuts Wood Paneling Without Splintering Adjustable Cutting Depth Stainless Steel Blades Includes Three Replacement Blades in Handle	100250
	Replacement Blades	For 100250 Drywall Tool	100251
	110 Cablepro Punch Tool	For Telco 110 Block Replaceable Tips	CPCAT5-PDT
	"F" Connector Insertion Tool	18" Long Handle	ICM-HT716
	RCA / BNC / F Pen Test Tone Generator	BNC, RCA, and F-type Connectors	ICM-CPPT-1

## Heat Shrink



### FEATURES & BENEFITS

- 3/64" to 1-1/2" Diameter
- 2:1 Shrink Ratio
- Sticks, Mini Spools, or Pre-cut Packaging
- Black or Clear
- Colors Available on Special Order
- Custom Printing Available

Diameter	Color	STICKS		MINI SPOOLS		PRE-CUT (500 or 1000pc per bag)	
		Length	Part Number	Length	Part Number	Length	Part Number
3/64"	Black or Clear	4'	INS-HS-101-364	25'	RSL-HUG-364-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-364-length
1/16"	Black or Clear	4'	INS-HS-101-116	55'	RSL-HUG-116-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-116-length
3/32"	Black or Clear	4'	INS-HS-101-332	55'	RSL-HUG-332-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-332-length
1/8"	Black or Clear	4'	INS-HS-101-18	50'	RSL-HUG-18-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-18-length
3/16"	Black or Clear	4'	INS-HS-101-316	50'	RSL-HUG-316-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-316-length
1/4"	Black or Clear	4'	INS-HS-101-14	40'	RSL-HUG-14-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-14-length
3/8"	Black or Clear	4'	INS-HS-101-38	25'	RSL-HUG-38-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-38-length
1/2"	Black or Clear	4'	INS-HS-101-12	25'	RSL-HUG-12-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-12-length
3/4"	Black or Clear	4'	INS-HS-101-34	20'	RSL-HUG-34-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-34-length
1"	Black or Clear	4'	INS-HS-101-1	50'	RSL-HUG-1-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-1-length
1-1/4"	Black or Clear	4'	INS-HS-101-114	25'	RSL-HUG-114-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-114-length
1-1/2"	Black or Clear	4'	INS-HS-101-112	20'	RSL-HUG-112-MSP	1/2", 1", 1.5", 2", 3", or 4"	GEP-HS-112-length

## Cable Ties



**Hellermann Tyton**

### FEATURES & BENEFITS

- 18lb, 40lb, or 50lb versions
- Multiple Lengths Available
- Black or Natural

Length	Strength	Max Bundle Diameter	Color	Part Number
4"	18lb	.75"	Black or Natural	T18R
5.75"	18lb	1.25"	Black or Natural	T18I
8"	18lb	2"	Black or Natural	T18L
8.5"	40lb	2"	Black or Natural	T40R
11.5"	40lb	3"	Black or Natural	T40I
14.5"	40lb	4"	Black or Natural	T40L
8"	50lb	1.75"	Black or Natural	T50R
11.75"	50lb	3"	Black or Natural	T50I
15.50"	50lb	4"	Black or Natural	T50L

## Sleeving



### FEATURES & BENEFITS

- Pre-cut Bags of 1000pc
- 20/22 or 22/24 Sizes
- 1-1/2" or 3/4" Length

Wire Gage Range	Length	Quantity per Bag	Color	Part Number
20 AWG Solid or 22 AWG Stranded	1-1/2"	1000pc	White	SLV112-20
20 AWG Solid or 22 AWG Stranded	3/4"	1000pc	White	SLV34-20
22 AWG Solid or 24 AWG Stranded	1-1/2"	1000pc	White	SLV112-22
22 AWG Solid or 24 AWG Stranded	3/4"	1000pc	White	SLV34-22

## Cable Tie Mounting Bases



### FEATURES & BENEFITS

- Base with Slot for Mounting Cable Tie Bundles
- 3/4", 1-1/8", or 1-1/2" Base Sizes
- Adhesive Back for Mounting
- Additional Screw Holes for Mounting
- Black or White

Base Dimensions	Color	Part Number
3/4" x 3/4"	Black or White	MB3A
1-1/8" x 1-1/8"	Black or White	MB4A
1-1/2" x 1-1/2"	Black or White	MB5A

## Tripp-Lite Power Conditioners and UPS Systems

### Pure Sine Wave and Automatic Voltage Regulation



HTR22-2U



HTR05-1U and HTR07-1U



HT1000UPS



HTRL15UPS

Tripp Lite's Pure Sine Wave UPS Systems generate perfect power and provide the highest level of protection and support for audio and video components. The Pure Sine Wave double-conversion process resynthesizes incoming AC power into a pure sine wave output, with zero transfer time to battery. This ensures exceptionally clean and pure power without output delay in the event of an incoming AC power loss or anomaly. In addition, Tripp Lite's UPS systems feature IP addressability and PC monitoring for complete system integration.

#### FEATURES & BENEFITS

- Pure Sine Wave Power or Automatic Voltage Regulation
- IP Addressable/Remote Diagnostics Capability
- Individual Outlet Control
- Phone/DSL, Ethernet and Coaxial Protection
- Battery Backup & Surge/Spike Protection
- EMI/RFI Filtering
- Power Alert PC Software for Real-time Diagnostics & Monitoring
- LED Diagnostics or LCD Display
- Up to \$250,000 Guaranteed Protection
- AMX and Crestron Integration Partner

Model	Outlets	Voltage Regulation	Guaranteed Surge Protection (Insurance)	Battery Backup Time During Blackouts (Recording/Viewing)*	Optional External Battery Packs (Sold Separately)	Output Capacity (VA/Watts)	Rack Space	Communication Ports (for Media Center)	Included Signal-Line Protection	Optional Signal-Line Protection (Sold Separately)	SNMP/ Web Accessory Slot	Unit Dimensions** H x W x D (in)
HTR22-2U	7	Pure Sine Wave	\$250,000	16 hr./90 min. +	Yes	2200/1600	2U	1 USB & 1 DB9	1 (Tel/Ethernet)	Yes	Yes	3.5 x 17.5 x 19
HTR15-2U	6	Pure Sine Wave	\$250,000	12 hr./60 min. +	Yes	1500/1200	2U	1 USB & 1 DB9	1 (Tel/Ethernet)	Yes	Yes	3.5 x 17.5 x 19
HTR10-2U	6	Pure Sine Wave	\$250,000	9 hr./45 min. +	Yes	1000/800	2U	1 USB & 1 DB9	1 (Tel/Ethernet)	Yes	Yes	3.5 x 17.5 x 14
HTRL15UPS	8	Automatic Voltage Regulation	\$250,000	5 hr./20 min.	-----	1500/900	2U	1 USB & 1 DB9	1 (Tel/Ethernet) 3 (Coax)	Yes	-----	3.5 x 17.25 x 10.5
HT1000UPS	8	Automatic Voltage Regulation	\$100,000	3 hr./15 min.	-----	1000/500	2U	1 USB	1 (Tel) & 2 (Coax)	Yes	-----	3.5 x 12 x 6.5
HTR07-1U	6	Automatic Voltage Regulation	\$250,000	6 hr./25 min.	-----	750/450	1U	1 USB & 1 DB9	-----	Yes	Yes	1.75 x 17.5 x 16.75
HTR05-1U	7	Automatic Voltage Regulation	\$250,000	2 hr./10 min.	-----	500/300	1U	1 USB & 1 DB9	-----	Yes	Yes	1.75 x 17.5 x 11.75

\* Backup times will vary depending on battery condition and load. Since viewing requires substantially more power than recording, battery runtimes are different. All models are rated to 120V (60 Hz) operation, except HTR22-2U, HTR15-2U and HTR10-2U, which also accept 50 Hz frequency. \*\* MOUNTING OPTIONS: Rackmount: HTR22-2U, HTR15-2U, HTR10-2U, HTR07-1U AND HTR05-1U (mount to rack using included hardware). HT1000UPS (optional rack shelf available separately) Tripp Lite Model #s SR201 or SR206.



HTR15-2U REAR PANEL

# Tripp-Lite Power Conditioners

## Rackmountable, Set-top, and Flat Panel Configurations



HT7300PC



HT3100PC



HT500PC

Tripp-Lite Power Conditioning Centers ensure peak performance in audio and video systems through advanced surge protection and EMI/RF line noise filtering. Backed by \$100,000 of insurance protection, Tripp-Lite power conditioners deliver performance with a worry-free guarantee against equipment damage due to power surges.

Available in three configurations, each model features Tripp-Lite’s advanced surge protection technology. The HT500PC features a convenient, low-profile design that is ideal for use with flat panel and projection displays. The larger and rack mountable HT3100PC and HT7300PC provide complete system surge protection, featuring isolated filter banks, signal-line protection, diagnostic LEDs, and up to 12 outputs.

### FEATURES & BENEFITS

- Advanced Surge Protection
- EMI/RF Noise Filtering
- Isolated Filter Banks (HT3100PC & HT7300PC)
- Coaxial & Phone Protection (HT3100PC & HT7300PC)
- Rack Mountable (HT3100PC & HT7300PC)
- Low-profile, Flat-panel Version (HT500PC)
- Diagnostic LEDs
- \$100,000 Guaranteed Protection

Model	Outlets*	Guaranteed Surge Protection (Insurance)	Joules (Surge Protection Rating)	Isolated Filter Banks	Unit Housing Style	LEDs	Included Signal-line Protection	Unit Dimensions** H x W x D (in)
HT500PC	2	\$100,000	5100	-----	Low-profile for Flat-panel TV	3	-----	1.25 x 3.5 x 7.25
HT3100PC	8	\$100,000	5700	2	1U Rackmount/Console	16	1 (Tel) & 3 (HD Coax)	1.75 x 17.5 x 11.75
HT7300PC	12	\$100,000	5700	3	2U Rackmount/Console	2 x LCD (Volts/Amps) 12 x Front Panel LED	1 (Tel/Ethernet) 3 (HD Coax)	3.5 x 17 x 12.75

\* Both models include NEMA 5-15R outlets and are rated to 120V (50/60 Hz) operation. \*\* MOUNTING OPTIONS: Rackmount/Console: HT3100PC (For rackmount, remove console feet; mount to rack using included hardware. For console, remove rackmount hardware; stands alone on included console feet). Behind Flat Panel TV: HT500PC: (Identify recessed area behind TV. Center and mount HT500PC within area).



## Equipment Rack Enclosures



Middle Atlantic Products, Inc.

### FEATURES & BENEFITS

- Durable Steel Frames
- Multiple Rack Depth and Height Configurations
- Powder Coat Finishes
- Cable Management Systems
- Optional Doors, Panels, Power Strips and Casters

Middle Atlantic Products rack systems are available in multiple designs that are each configurable in a variety of rack sizes and options. All feature durable steel frames, powder coated finishes, and optional accessories that allow installers to customize each rack to the system requirements.



Series	Description	Rack Unit Height	Useable Depth	Options
MRK Series	Gangable Rack Enclosure	24, 37, 40, 44	24", 29", 32½" or 39½"	Doors, Side Panels, Power Strips, Casters
SLIM 5 Series	Thin Profile Rack Enclosure	8, 14, 21, 29, 37, 43	20" or 26"	Doors, Side Panels, Power Strips, Casters
DWR Series	Wall Cabinet Rack with Cable Management System	10, 12, 16, 18, 21, 24, 35	15", 20", or 24" (24" Not Available in All Rack Height Config)	Doors, Remote Switch, Power Strips

## Equipment Rack Enclosures: Sliding



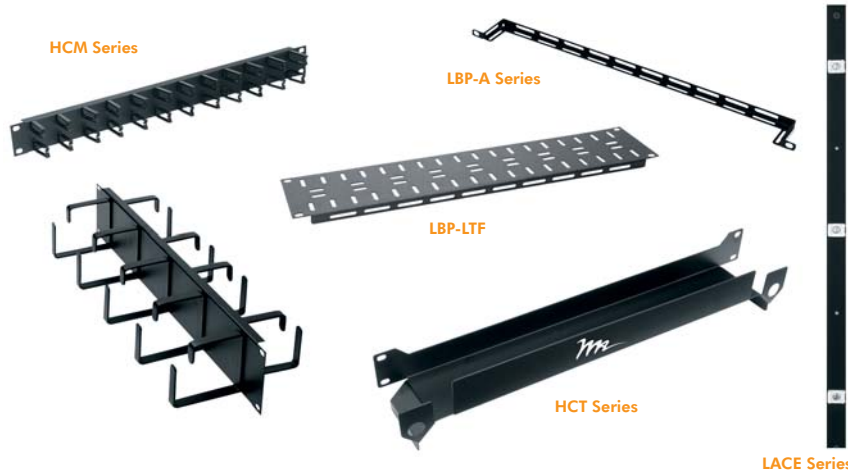
### FEATURES & BENEFITS

- For In-wall Custom Installation
- Pull-out Track System
- Rotating Versions
- Durable Steel Frames
- Integrated Cable Management
- Multiple Rack Depth and Height Configurations

The AX and SRS rack series feature a thin-profile, sliding rack system for in-wall installation in commercial or residential applications. The sliding rack system allows for easy accessibility to rear of the equipment for installation and maintenance. In addition, both series are available in rotating versions for greater accessibility.

Series	Description	Slide Options	Rotating Feature	Rack Unit Height	Depth
AXS Series	Pull-out Rack for In-wall or Custom Cabinet Installation	2 (650lbs) Service Tracks and Stand Ordered Separately	No	10 to 43	16.5", 20", or 26"
AX-SXR Series	Pull-out Rack for In-wall or Custom Cabinet Installation: Rotating Version	2 (450lbs) Service Tracks and Stand Ordered Separately	Yes- up to 60°	15 to 43	20"
SRS Series	Sliding Rack System	2 (150lbs), 4 (300lbs)	No	8 to 20	19"
SRSR Series	Sliding Rack System: Rotating Version	2 (150lbs), 4 (200lbs), 4 (300lbs)	Yes- up to 90°	12 to 30	19" or 23"

## Cable Management



### FEATURES & BENEFITS

- Cable Management and Trays
- Blank or Vented Panels
- Thermal Management
- Rack Accessories
- Hardware
- Custom Equipment Racks

Series	Description	Width	Rack Unit Height	Options
HCM Series	Horizontal Cable Management	19" or 23"	1RU or 2RU	Micro-clip; D-ring; D-ring Double Sided
HCT Series	Rackmount Cable Trays	19"	1RU or 2RU	
LBP-A Series	Horizontal L-bar Lacing Bar	19"	SUB-IRU	Straight, 1.5", 2", 4", or 6" Offset
LBP-LTF	Horizontal Lacer Panel	19"	2RU	
LACE Series	Vertical Lacer Bar	N/A	37RU or 44U	1", 2", or 3.5" Width

Middle Atlantic Products also manufactures a full line of rack accessories such as cable management, thermal management, panels, and custom equipment racks to provide a complete equipment racking solution. In addition to the catalog listed items, any Middle Atlantic Products rack or rack accessory can be special ordered to meet your unique system requirements.

## Fan Panels



Series	Description	Number of Fans
QFP-1	Quiet Fan Panel 3RU	1 (50 CFM)
QFP-2	Quiet Fan Panel 3RU	2 (100 CFM)
UQFP-2	Ultra Quiet Fan Panel 2RU	2 (50 CFM)
UQFP-2D	Ultra Quiet Fan Panel 2RU: Digital Temp Display	2 (50 CFM)
UQFP-4	Ultra Quiet Fan Panel 2RU	4 (100 CFM)
UQFP-4D	Ultra Quiet Fan Panel 2RU: Digital Temp Display	4 (100 CFM)
UQFP-4DRA (Black)	Designer Ultra Quiet Fan Panel 2RU: Digital Temp Display	4 (100 CFM)
UQFP-4DRC (Silver)	Designer Ultra Quiet Fan Panel 2RU: Digital Temp Display	4 (100 CFM)

## Rack Panels & Accessories



Series	Description
Custom Equipment Racks	Call for Details
EB Series	Blank Rack Panel: 1, 2, 3, 4, 5, or 6RU
VT Series	Vented Panel: 63% Open Area: 1, 2, 3, or 4RU
VTF Series	Vented Panel: 22% Open Area: 1, 2, 3, or 4RU
HP	Rack Screws: Bag of 100
HP500	Rack Screws: Jar of 500
U Series	Rack Shelf: 1, 2, 3, or 4RU
SS Series	Sliding Shelf: 1RU
D Series	Rack Drawer: 2, 3, or 4RU

## Custom Cable Assemblies

Gepco's complete interconnect solutions product line also includes in-house, custom assembly fabrication. Custom assemblies allow for installers to have assemblies premade to their exact requirements, reducing field installation time while delivering a customized cabling interconnect.

Cable assemblies can be produced from almost any type of cable and terminated with stocked or special order connectors. Connectors are hand soldered or machine crimped to ensure precision electrical characteristics and exceptional mechanical integrity. Each assembly is manually assembled and 100% tested to guarantee consistent quality and performance.

Custom assemblies can be produced to user-specified types, pinouts, lengths, colors, and labeling to deliver a completely customized interconnect solution for almost any type of commercial or residential audio or video system.

### FEATURES & BENEFITS

- Hand Soldered or Machine Crimped
- Custom Pinouts and Lengths
- Color Options
- Diverse Range of Cable and Connector Options
- Individually Tested and Verified
- Premium Brand Connectors



Gepco Custom Assemblies Feature Connectors Manufactured By:



AMP Amphenol®



NEUTRIK



Switchcraft®





**3GHz HD COAX**

High Definition Coax terminated with BNC, RCA, or F-type connectors



**3GHz HD COAX: EXTRA-FLEXIBLE**

High Definition Coax terminated with BNC, RCA, or F-type connectors



**NETWORKING CABLES**

Heavy Duty CAT5E, Standard Cat5E, or Cat6 cables terminated with RJ45 or Neutrik Ethercon™ connectors



**COMPONENT VIDEO SNAKE**

RG6, RG59, or Miniature Coax terminated with RCA or BNC connectors



**COMPONENT VIDEO HYBRID CABLES**

Miniature Coax with additional audio, video, power, or networking elements



**HDMI & DVI-D CABLES**

distance applications



**VGA HD15 SNAKES**

Miniature Coax with D-sub HD15 pin connectors at each end



**VGA HD15 BREAKOUT CABLES**

Miniature Coax with D-sub HD15 pin connector to BNC or RCA connector breakout



**SPEAKER CABLES**

High Resolution Speaker cables terminated with 1/4", spade, pin, or binding post connectors



**MICROPHONE CABLE**

High Bandwidth, low-noise balanced audio cables terminate with male and female XLR connectors



**MULTI-PAIR AUDIO SNAKES**

Multiple audio channels (2-32 pairs) with XLR and/or TRS connectors at each end



**MULTI-PIN AUDIO BREAK-OUTS**

Multiple audio channels with EDAC or D-sub Connectors to XLR and/or TRS connectors



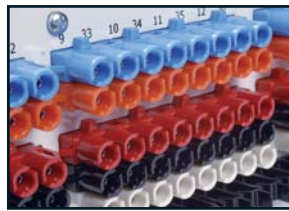
## Audio Patchbays



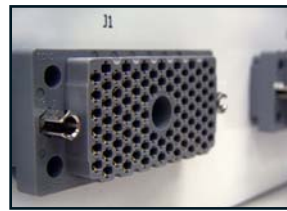
Gepco is the leading distributor for ADC patchbays and accessories. With a comprehensive stocking inventory and special order capabilities, Gepco can provide patching solutions for any audio or video application.

ADC audio patchbays are designed for exceptional reliability in any commercial, professional, or broadcast application. With high mating-life characteristics and WECO, gold crossbar switching contacts, ADC audio jacks deliver consistent and repeatable performance. ADC audio patchbays feature the patented QCP insulation displacement system that streamlines cable termination and provides a gas-tight electrical connection. Patchbays are available with Longframe or Bantam jacks in a variety of termination configurations.

QCP MKIV TERMINALS



EDAC MULTI-PIN



SOLDER JACKS



### ADC AUDIO PATCHBAYS

Type	Description	Dimension Options	Normaling Options	Number of Positions	Back Panel Options
<b>PPA Longframe Series CHASSIS TYPE</b>	Longframe Patchbay in Rack Chassis with Punchdown or Multi-pin Rear Panel	1RU or 2RU High 14" or 18" Depth	Normals Out; Normals Strapped; Half Normalled; Sleeve Normals; No Normals	48 (2x24)	QCP MKIV Punch Down Terminals; QCP MKII Punch Down Terminals; EDAC Multi-pin; EDAC 3-pin
<b>PPB Bantam Series CHASSIS TYPE</b>	Bantam Patchbay in Rack Chassis with Punchdown or Multi-pin Rear Panel	1RU or 2RU High 14" or 18" Depth	Normals Out; Normals Strapped; Half Normalled; Sleeve Normals; No Normals	96 (2x48)	QCP MKIV Punch Down Terminals; QCP MKII Punch Down Terminals; EDAC Multi-pin; EDAC 3-pin
<b>PPA SOLDER Longframe Series SOLDER JACK TYPE</b>	Longframe Patchbay with Solder Jack Termination	1RU or 2RU	User Configurable	48 (2x24)	Solder Terminals with Tie Bar
<b>PPB SOLDER Bantam Series SOLDER JACK TYPE</b>	Bantam Patchbay with Solder Jack Termination	1RU or 2RU	User Configurable	96 (2x48)	Solder Terminals with Tie Bar
<b>BJF Longframe Series HARNESSED TYPE</b>	Longframe Patchbay Harnessed to Punchdown or Multi-pin Rear Panel	1RU or 2RU High 14" or 18" Depth 4' Umbilical Harness	Normals Out; Normals Strapped; Half Normalled; Sleeve Normals; No Normals	48 (2x24)	QCP MKIV Punch Down Terminals; QCP MKII Punch Down Terminals; EDAC Multi-pin; EDAC 3-pin
<b>BJF Bantam Series HARNESSED TYPE</b>	Bantam Patchbay Harnessed to Punchdown or Multi-pin Rear Panel	1RU or 2RU High 14" or 18" Depth 4' Umbilical Harness	Normals Out; Normals Strapped; Half Normalled; Sleeve Normals; No Normals	96 (2x48)	QCP MKIV Punch Down Terminals; QCP MKII Punch Down Terminals; EDAC Multi-pin; EDAC 3-pin

### AUDIO PATCHCORDS, TOOLS AND ACCESSORIES

Type	Manufacturer	Description	Options
<b>Longframe Patchcords</b>	ADC	Audio Patchcord with Longframe Type Plugs	1', 2', 3', 4', 6' Lengths Black, Red, Green, or Blue
<b>Bantam Patchcords</b>	ADC	Audio Patchcord with Bantam Type Plugs	1', 2', 3', 4', 6' Lengths Black, Red, Green, or Blue
<b>PPH Patchcord Holder</b>	ADC	Audio/Video Patchcord Holder	-----
<b>CLAW Patchcord Holder</b>	Middle Atlantic	Audio/Video Patchcord Holder	-----
<b>QB-2 Series Punch Tool</b>	ADC	Punch Tool for QCP MKII Terminals	Tool with Tip; Replacement Tip; Long-style Tip
<b>QB-4 Series Punch Tool</b>	ADC	Punch Tool for QCP MKIV Terminals	Tool with Tip; Replacement Tip; Long-style Tip

### TYPES & OPTIONS

- Chassis, Harnessed, or Standard Panel
- QCP Punch Terminals, EDAC Multi-pin, or Solder Rear Termination
- 1 or 2 RU
- Multiple Normaling Options

### FEATURES & BENEFITS

- Exceptionally Reliable Broadcast Proven
- Easy to Terminate
- High Mating Life Jacks
- Gold-plated Switching Contacts
- Wired with Digital Cable, AES/EBU Ready
- Integrated Cable Management
- High Visibility, Snap-over Designation Strips

## Video Patchbays



ADC video patchbays deliver broadcast-grade performance for reliable and accurate distribution of Uncompressed HDTV, SDI, or High Resolution Analog video formats.

Designed to exacting electrical and mechanical characteristics, ADC video jacks feature a precision 75Ω impedance, exceptional mating-life, reliable gold-plated switching contacts, and wide bandwidth designs. The SVJ and MVJ series are SMPTE 292M compliant for uncompressed HD video distribution. Available in multiple configurations and types, ADC video patchbays deliver exceptional performance in any commercial, professional, or broadcast video application.

### TYPES & OPTIONS

- Standard or Mid-size Type Jacks
- Normalling or Non-normalling
- Self-terminating Versions
- 1, 1.5, 2, 3, & 4RU
- HDTV and Standard SDI Versions
- Black or Gray Panel

### FEATURES & BENEFITS

- Exceptionally Reliable, Broadcast Proven
- SMPTE 292M Compliant for Uncompressed HDTV Distribution (SVJ, MVJ, and CJ Types)
- High Mating-life Jacks
- Precision 75Ω Impedance
- Gold-plated Switching Contacts
- Integrated Cable Management
- High Visibility Designation Strips

Type	Description	Dimension Options	Jack Options	Number of Positions	Panel Color	Warranty
<b>PPI Series SDI Digital/Analog</b>	Standard-size Video Patchbay SDI Digital/Analog Jacks	1RU or 2RU	Normalling & Terminated Normalling Only Single Jacks/ Non-normalling	48 or 52 (2x24 or 2x26)	Black or Gray with Tie Bar	1 Year
<b>PPE Series SDI Digital/Analog</b>	Standard-size Video Patchbay SDI Digital/Analog Jacks	1RU or 2RU	Normalling & Terminated Normalling Only Single Jacks/ Non-normalling	48 or 52 (2x24 or 2x26)	Black or Gray	1 Year
<b>PPI SVJ Series HDTV SMPTE 292M</b>	Standard-size Video Patchbay Uncompressed HDTV SVJ Jacks	1RU or 2RU	Normalling & Terminated Normalling Only Single Jacks/ Non-normalling	48 or 52 (2x24 or 2x26)	Black or Gray with Tie Bar	15 Years
<b>PPE SVJ Series HDTV SMPTE 292M</b>	Standard-size Video Patchbay Uncompressed HDTV SVJ Jacks	1, 1.5, 2, 3, or 4RU	Normalling & Terminated Normalling Only Single Jacks/ Non-normalling	48 or 52 (2x24 or 2x26)	Black or Gray	1 Year (Upgradeable to 15 Years)
<b>PPI MVJ Series Mid-size HDTV SMPTE 292M</b>	Mid-size Video Patchbay Uncompressed HDTV MVJ Jacks	1RU or 2RU	Normalling & Terminated Normalling Only Single Jacks/ Non-normalling	64 (2x32)	Black or Gray with Tie Bar	15 Years
<b>PPE MVJ Series Mid-size HDTV SMPTE 292M</b>	Mid-size Video Patchbay Uncompressed HDTV MVJ Jacks	1, 1.5, 2, 3, or 4RU	Normalling & Terminated Normalling Only Single Jacks/ Non-normalling	64 (2x32)	Black or Gray	1 Year (Upgradeable to 15 Years)

### VIDEO PATCHCORDS, TOOLS AND ACCESSORIES

Type	Manufacturer	Description	Options
<b>Standard HDTV Patchcords</b>	Gepco	Gepco VHD2000M 3GHz 292M Coax with Standard Patch Plugs	1', 2', 3', 4', 6' Lengths Black, Red, Orange, Yellow, Green, Blue or Violet
<b>Mid-size HDTV Patchcords</b>	Gepco	Gepco VHD2000M 3GHz 292M Coax with Mid-size Patch Plugs	1', 2', 3', 4', 6' Lengths Black, Red, Orange, Yellow, Green, Blue or Violet
<b>PPH Patchcord Holder</b>	ADC	Audio/Video Patchcord Holder	-----
<b>CLAW Patchcord Holder</b>	Middle Atlantic	Audio/Video Patchcord Holder	-----
<b>BNC Removal Tool ADC-BT2000-12</b>	ADC	BNC Removal Tool	12" or 14"



## Wire Gage Specifications

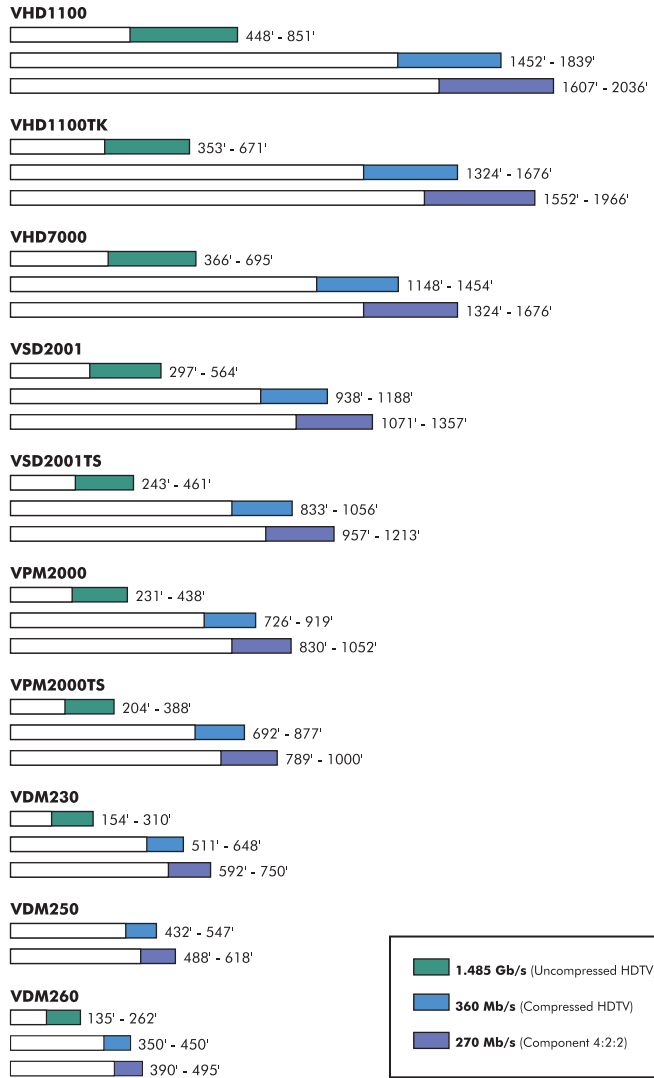
AWG	Strand	Approx. O.D.		Circular ML Area	Weight	
		Inches	mm		Lbs/Mft	kg/km
40	Solid	.003	.08	9.61	.030	.04
39	Solid	.004	.09	12.20	.038	.06
38	Solid	.004	.10	15.72	.048	.07
37	Solid	.005	.11	19.83	.061	.09
36	Solid	.005	.13	25.00	.076	.11
36	7/44	.006	.15	28.00	.085	.12
35	Solid	.006	.14	31.52	.095	.14
34	Solid	.006	.16	39.75	.120	.18
34	7/42	.007	.19	43.75	.132	.19
33	Solid	.007	.18	50.13	.152	.23
32	Solid	.008	.20	63.21	.191	.28
32	7/40	.008	.20	67.27	.203	.30
32	19/44	.009	.22	76.00	.230	.34
31	Solid	.009	.23	79.70	.241	.36
30	Solid	.010	.25	100.50	.304	.45
30	7/38	.012	.30	112.00	.339	.50
30	19/42	.012	.30	118.75	.359	.53
29	Solid	.011	.29	126.70	.384	.57
28	Solid	.013	.32	159.80	.484	.72
28	7/36	.015	.38	141.75	.529	.78
28	19/40	.016	.40	182.59	.553	.82
27	Solid	.014	.36	201.50	.610	.91
27	7/35	.018	.45	219.52	.664	.98
26	Solid	.016	.40	253.00	.769	1.14
26	10/36	.021	.53	250.00	.757	1.12
26	19/38	.020	.50	304.00	.920	1.36
26	7/34	.019	.48	277.83	.841	1.25
25	Solid	.018	.46	320.40	.970	1.44
25	7/33	.021	.53	343.00	1.113	1.66
24	Solid	.020	.51	404.00	1.223	1.82
24	7/32	.024	.60	448.00	1.356	2.01
24	10/34	.023	.58	396.90	1.201	1.78
24	19/36	.024	.60	475.00	1.430	2.12
24	41/40	.023	.58	384.40	1.160	1.72
23	Solid	.023	.57	511.50	1.542	2.29
22	Solid	.025	.64	640.40	1.945	2.89
22	7/30	.030	.76	700.00	2.120	3.15
22	19/34	.031	.78	754.11	2.280	3.39

AWG	Strand	Approx. O.D.		Circular ML Area	Weight	
		Inches	mm		Lbs/Mft	kg/km
22	26/36	.030	.76	650.00	1.970	2.93
21	Solid	.029	.72	812.10	2.452	3.65
20	Solid	.032	.81	1,020.0	3.092	4.60
20	7/28	.038	.96	1,111.0	3.490	5.19
20	10/30	.035	.88	1,000.0	3.025	4.50
20	19/32	.037	.93	1,216.0	3.680	5.47
20	26/34	.036	.91	1,031.9	3.120	4.64
20	41/36	.036	.91	1,025.0	3.100	4.61
19	Solid	.040	.91	1,200.0	3.899	5.80
18	Solid	.040	1.02	1,620.0	4.917	7.32
18	7/26	.048	1.21	1,759.60	5.360	7.97
18	16/30	.047	1.19	1,600.0	4.840	7.20
18	19/30	.049	1.24	1,900.0	5.750	8.55
18	41/34	.047	1.19	1,627.3	4.920	7.32
18	65/36	.047	1.19	1,625.0	4.910	7.30
17	Solid	.045	1.15	2,050.0	6.200	9.23
16	Solid	.051	1.29	2,583.0	7.818	11.63
16	7/24	.060	1.52	2,828.0	8.560	12.73
16	65/34	.059	1.49	2,579.9	7.810	11.62
16	26/30	.059	1.49	2,600.0	7.870	11.71
16	19/29	.058	1.47	2,426.3	7.350	10.93
16	105/36	.059	1.49	2,625.0	7.950	11.83
15	Solid	.057	1.45	3,260.0	9.858	14.67
14	Solid	.064	1.63	4,107.0	12.43	18.50
14	7/22	.073	1.85	4,480.0	13.56	20.17
14	19/27	.073	1.85	3,830.4	11.59	17.24
14	41/30	.073	1.85	4,100.0	12.40	18.45
14	105/34	.073	1.85	4,167.5	12.61	18.76
13	Solid	.072	1.83	5,178.0	15.68	23.33
12	Solid	.081	2.05	6,530.0	19.77	29.42
12	7/20	.096	2.43	7,168.0	21.69	32.27
12	19/25	.093	2.36	6,087.6	18.43	27.42
12	65/30	.095	2.41	6,500.0	19.66	29.25
12	165/34	.095	2.41	6,548.9	19.82	29.49
11	Solid	.091	2.30	8,234.0	24.92	37.08
10	Solid	.102	2.60	10,380.0	31.43	40.77
10	37/26	.115	2.92	9,353.6	28.31	42.12
10	105/30	.116	2.94	10,530.0	31.76	47.26

# Serial Digital Coax Distances

**Maximum values represent the approximate range at which the bit error rate “cliff region” will occur.**

In every system the quality of the output pulse, the amount of loss that can be compensated for by the receiver, the number of passive connectors and patch points, and the exact amount of cable loss will vary. Because of this, the exact maximum cable length possible will vary. The graphs to the right do not represent the exact cable length possible, they only serve as a guide in selecting the appropriate cable type. When installing a cable in a system and it is approaching its maximum range, it is highly recommended that individual system testing and research be done.



- 1.485 Gb/s (Uncompressed HDTV)
- 360 Mb/s (Compressed HDTV)
- 270 Mb/s (Component 4:2:2)

## Connector Cross Reference Chart: ICM Compression BNC, RCA, and F-type

Cable Type	BNC		RCA		F-TYPE	
	Silver Plated	Gold Plated	Silver Plated	Gold Plated	Silver Plated	Gold Plated
RG59 Coax 201FVT9 VB2095 VC2095 VC2095/2PJ VC2095/2PZ VHD2000M VPM2000 VS2000	FS59BNCU	RG59BNCU	FS59RCAU	RG59RCAU	FS59U	RG59U
RG59 PLENUM Coax VC2095TS VPM2000TS	FS59BNCPL2	-----	FS59RCAPL2	-----	FS59PL2	-----
RG6 Coax DV5E6U02 DV5E6U03 DV5E6U04 DV5E6U04F VB1860 VB1890 VB18Q VC1895 VS32001 VS42001 VS52001 VSD2001 VSD2001PEF	FS6BNCU	RG6BNCU	FS6RCAU	RG6RCAU	FS6U	RG6U
RG6 PLENUM Coax VB1890TS VB18QTS VC1895TS VSD2001TS VSD2001TS	FS6BNCPL2	-----	FS6RCAPL2	-----	FS6PL2	-----
RG11 COAX VB1460 VHD1100	FS11BNC	-----	-----	-----	-----	-----
Mini 23 AWG Solid RGB6C5 VDM230 VS5230	FSBNC15RGB FS15BNC (one piece design)	RGBNC15RGB RG15BNC (one piece design)	FSRCA15RGB FS15RCA (one piece design)	RGRCA15RGB RG15RCA (one piece design)	-----	-----
Mini 25 AWG Solid RGB250S RGBHVC250S RGS250S RGBSC250S	FSBNC1RGB FS1BNC (one piece design)	RGBNC1RGB RG1BNC (one piece design)	FSRCA1RGB FS1RCA (one piece design)	RGRCA1RGB RG1RCA (one piece design)	-----	-----
Mini 25 AWG Stranded VDM250 VDM250D RGB250 RGBHVC250 RGS250 RGBSC250	FSBNC15RGB FS15BNC (one piece design)	RGBNC15RGB RG15BNC (one piece design)	FSRCA15RGB FS15RCA (one piece design)	RGRCA15RGB RG15RCA (one piece design)	-----	-----
Mini 26 AWG RGB62 RGB62TS RGB644 RGB644TS RGB6C5TS RGBSC260TS VDM260	FSBNC1RGB FS1BNC (one piece design)	RGBNC1RGB RG1BNC (one piece design)	FSRCA1RGB FS1RCA (one piece design)	RGRCA1RGB RG1RCA (one piece design)	-----	-----

## Connector Cross Reference Chart: BNC Crimp

BNC Connector Cross Reference				
Geppo Part Number		Kings	ADC	Bomar
RGB250	2065-11-9		BNC-13	HBC1855A
RGB250S	2065-29-9		BNC-16	N/A
RGB62	2065-29-9		BNC-16	N/A
RGB62TS	2065-29-9		BNC-16	N/A
RGB644	2065-29-9		BNC-16	N/A
RGB644TS	2065-29-9		BNC-16	N/A
RGB6C5	2065-11-9		BNC-13	HBC1855A
RGB6C5TS	2065-29-9		BNC-16	N/A
RGBHVC250	2065-11-9		BNC-13	HBC1855A
RGBHVC250S	2065-29-9		BNC-16	N/A
RGBS250	2065-11-9		BNC-13	HBC1855A
RGBS250S	2065-29-9		BNC-16	N/A
RGBSC250	2065-11-9		BNC-13	HBC1855A
RGBSC250S	2065-29-9		BNC-16	N/A
RGBSC260TS	2065-29-9		BNC-16	N/A
V557000	2065-12-9		BNC-27	N/A
VA2/2TP	2065-11-9		BNC-13	HBC1855A
VA2/3	2065-2-9		BNC-1	HBC1505A
VA2/3TP	2065-11-9		BNC-13	HBC1855A
VA2/4	2065-2-9		BNC-1	HBC1505A
VA2/5	2065-2-9		BNC-1	HBC1505A
VB1460/VB1490TK	2065-8-9		BNC-25	SBC7731A
VB1860/VB1890	2065-10-9		BNC-8	HBC1694A
VB1890TS	2065-10-9		BNC-10	SBC1695A
VB2095	2065-2-9		BNC-1	HBC1505A
VB5020	755-114-9		N/A	310A205F
VC1895	2065-10-9		BNC-8	HBC1694A
VC1895TS	2065-10-9		BNC-10	SBC1695A
VC2095/2PJ and 2PZ	2065-2-9		BNC-1	HBC1505A
VC2095TS	2065-2-9		BNC-6	SBC1506A
VDM230	2065-11-9		BNC-13	HBC1855A
VDM250	2065-11-9		BNC-13	HBC1855A
VDM250D	2065-11-9		BNC-13	HBC1855A
VDM260	2065-29-9		BNC-16	N/A
VE61859M	2065-2-9		BNC-1	HBC1505A
VHD1100	2065-8-9		BNC-25	SBC7731A
VHD1100PEF	2065-8-9		BNC-25	SBC7731A
VHD1100TK	2065-8-9		BNC-25	SBC7731A
VHD2000M	2065-2-9		BNC-1	HBC1505A
VHD7000	2065-12-9		BNC-27	N/A
VJ59U	2065-7-9		BNC-2	SBC8241
VP618M	2065-6-9		BNC-4	SBC8281
VP618PE	2065-6-9		BNC-4	SBC8281
VPM2000	2065-2-9		BNC-1	HBC1505A
VPM2000TS/TK	2065-2-9		BNC-6	SBC1506A
VRC13	2065-2-9		BNC-1	HBC1505A
VRC618	2065-2-9		BNC-1	HBC1505A
VS102000	2065-2-9		BNC-1	HBC1505A
VS102001	2065-10-9		BNC-8	HBC1694A
VS10230	2065-11-9		BNC-13	HBC1855A
VS32001	2065-10-9		BNC-8	HBC1694A
VS42001	2065-10-9		BNC-8	HBC1694A
VS52000	2065-2-9		BNC-1	HBC1505A
VS52001	2065-10-9		BNC-8	HBC1694A
VS5230	2065-11-9		BNC-13	HBC1855A
VSD2001	2065-10-9		BNC-8	HBC1694A
VSD2001PEF	2065-10-9		BNC-8	HBC1694A
VSD2001TS	2065-10-9		BNC-10	HBC1695A

## Connector Cross Reference Chart: RCA Crimp

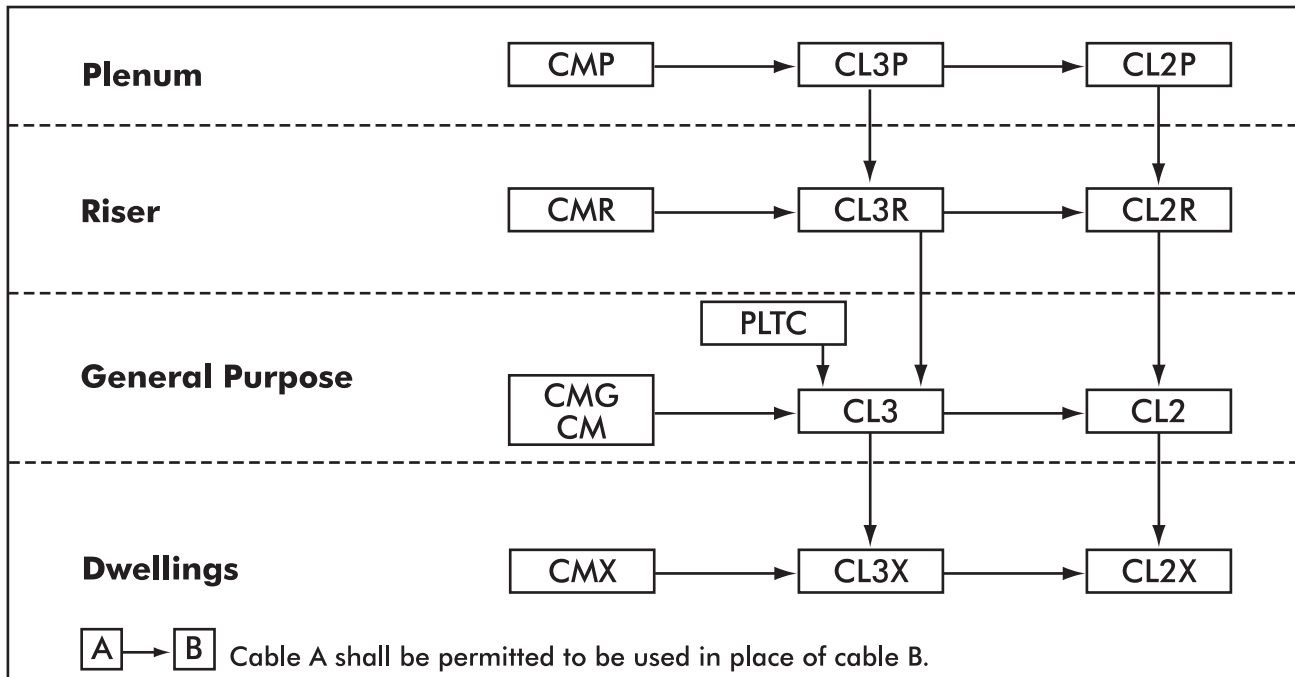
BNC Connector Cross Reference				
Gepco Part Number	Kings	ADC	Bomar	
RGB250	3345-3-9	CRCA-13	RBC1855A	
RGB250S	3345-4-9	CRCA-16	N/A	
RGB62	3345-4-9	CRCA-16	N/A	
RGB62TS	3345-4-9	CRCA-16	N/A	
RGB644	3345-4-9	CRCA-16	N/A	
RGB644TS	3345-4-9	CRCA-16	N/A	
RGB6C5	3345-3-9	CRCA-13	RBC1855A	
RGB6C5TS	3345-4-9	CRCA-16	N/A	
RGBHVC250	3345-3-9	CRCA-13	RBC1855A	
RGBHVC250S	3345-4-9	CRCA-16	N/A	
RGBS250	3345-3-9	CRCA-13	RBC1855A	
RGBS250S	3345-4-9	CRCA-16	N/A	
RGBSC250	3345-3-9	CRCA-13	RBC1855A	
RGBSC250S	3345-4-9	CRCA-16	N/A	
RGBSC260TS	3345-4-9	CRCA-16	N/A	
VA2/2TP	3345-3-9	CRCA-13	RBC1855A	
VA2/3	3345-1-9	CRCA-1	RBC1505A	
VA2/3TP	3345-3-9	CRCA-13	RBC1855A	
VA2/4	3345-1-9	CRCA-1	RBC1505A	
VA2/5	3345-1-9	CRCA-1	RBC1505A	
VB1460/VB1490TK	N/A	N/A	N/A	
VB1860/VB1890	3345-2-9	CRCA-8	RBC1694A	
VB1890TS	3345-2-9	CRCA-8	RBC1694A	
VB2095	3345-1-9	CRCA-1	RBC1505A	
VB5020	N/A	N/A	N/A	
VC1895	3345-2-9	CRCA-8	RBC1694A	
VC1895TS	3345-2-9	CRCA-8	RBC1694A	
VC2095/2PJ and 2PZ	3345-1-9	CRCA-1	RBC1505A	
VC2095TS	3345-1-9	N/A	RBC1505A	
VDM230	3345-3-9	CRCA-13	RBC1855A	
VDM250	3345-3-9	CRCA-13	RBC1855A	
VDM250D	3345-3-9	CRCA-13	RBC1855A	
VDM260	3345-4-9	CRCA-16	N/A	
VE61859M	3345-1-9	CRCA-1	RBC1505A	
VHD1100	N/A	N/A	N/A	
VHD1100PEF	N/A	N/A	N/A	
VHD1100TK	N/A	N/A	N/A	
VHD2000M	3345-1-9	CRCA-1	RBC1505A	
VHD7000	N/A	N/A	N/A	
VJ59U	N/A	N/A	N/A	
VP618M	N/A	N/A	N/A	
VP618PE	N/A	N/A	N/A	
VPM2000	3345-1-9	CRCA-1	RBC1505A	
VPM2000TS/TK	3345-1-9	N/A	RBC1505A	
VRC13	3345-1-9	CRCA-1	RBC1505A	
VRC618	3345-1-9	CRCA-1	RBC1505A	
VS102000	3345-1-9	CRCA-1	RBC1505A	
VS102001	3345-2-9	CRCA-8	RBC1694A	
VS10230	3345-3-9	CRCA-13	RBC1855A	
VS32001	3345-2-9	CRCA-8	RBC1694A	
VS42001	3345-2-9	CRCA-8	RBC1694A	
VS52000	3345-1-9	CRCA-1	RBC1505A	
VS52001	3345-2-9	CRCA-8	RBC1694A	
VS5230	3345-3-9	CRCA-13	RBC1855A	
VSD2001	3345-2-9	CRCA-8	RBC1694A	
VSD2001PEF	3345-2-9	CRCA-8	RBC1694A	
VSD2001TS	3345-2-9	CRCA-8	RBC1694A	
VS52000	3345-1-9	CRCA-1	RBC1505A	
VS52001	3345-2-9	CRCA-8	RBC1694A	
VS5230	3345-13-9	CRCA-13	RBC1855A	
VS57000	N/A	N/A	N/A	
VSD2001PEF	3345-2-9	CRCA-8	RBC1694A	

## Connector Cross Reference Chart: F-Type Crimp

F Connector Reference Chart			
Gecco Part Number	AIM	Canare	ADC
VA2/3	25-7030	FP-C4F	CF-1
VA2/4	25-7030	FP-C4F	CF-1
VA2/5	25-7030	FP-C4F	CF-1
VB1460/VB1490TK	25-7190	FP-C71	N/A
VB1860/VB1890	25-7032	FP-C53	CF-8
VB1890TS	25-7047	FP-C55	N/A
VB18Q	25-7034	N/A	N/A
VB18QTS	25-7047	N/A	N/A
VB2095	25-7030	FP-C4F	CF-1
VC1895	25-7032	FP-C53	CF-8
VC1895TS	25-7047	FP-C55	N/A
VC2095/2PJ and 2PZ	25-7030	FP-C4F	CF-1
VC2095TS	25-7049	N/A	N/A
VE61859M	N/A	FP-C4F	CF-1
VHD1100,	25-7190	FP-C71	N/A
VHD1100PEF	25-7190	FP-C71	N/A
VHD1100TK	25-7190	FP-C71	N/A
VHD2000M	N/A	FP-C4F	CF-1
VJ59U	25-7030	FP-C4	N/A
VP618M	N/A	FP-C51	N/A
VP618PE	N/A	FP-C51	N/A
VPM2000	25-7030	FP-C4F	CF-1
VPM2000TS/TK	25-7049	N/A	N/A
VRC13	N/A	FP-C4F	CF-1
VRC618	N/A	FP-C4F	CF-1
VS102000	25-7030	FP-C4F	CF-1
VS102001	25-7032	FP-C53	CF-8
VS32001	25-7032	FP-C53	CF-8
VS42001	25-7032	FP-C53	CF-8
VS52000	25-7030	FP-C4F	CF-1
VS52001	25-7032	FP-C53	CF-8
VSD2001	25-7032	FP-C53	CF-8
VSD2001PEF	25-7032	FP-C53	CF-8
VSD2001TS	25-7047	FP-C55	N/A



## NEC Cable Substitution Hierarchy Chart



### Cable Uses and Permitted Substitutions

Cable Type	Use	Permitted Substitutions
CMP	Communications plenum cable	MPP
CL3P	Class 3 plenum cable	CMP
CL2P	Class 2 plenum cable	CMP, CL3P
CMR	Communications riser cable	*CMP, MPP, MPR
CL3R	Class 3 riser cable	CMP, CL3P, CMR
CL2R	Class 2 riser cable	CMP, CL3P, CL2P, CMR, CL3R
PLTC	Power-limited tray cable	-----
CMG	Communications cable, general purpose	*CMP, CMR, CM, MPP, MPR, MPG, MP
CM	Communications cable, general purpose	*CMP, CMR, CMG, MPP, MPR, MPG, MP
CL3	Class 3 cable	CMP, CL3P, CMR, CL3R, CMG, CM, PLTC
CL2	Class 2 cable	CMP, CL3P, CL2P, CMR, CL3R, CL2R, CMG, CM, PLTC, CL3
CMX	Communications cable, limited use	*CMP, CMR, CMG, CM, MPP, MPR, MPG, MP
CL3X	Class 3 cable, limited use	CMP, CL3P, CMR, CL3R, CMG, CM, PLTC, CL3, CMX
CL2X	Class 2 cable, limited use	CMP, CL3P, CL2P, CMR, CL3R, CL2R, CMG, CM, PLTC, CL3, CL2, CMX, CL3X

\* Substitution allowed by Article 800 only

**Plenum** - Cables installed in ducts, plenums, and other spaces used for environmental air.

**Riser** - Cables installed in vertical runs and penetrating more than one floor, or cables installed in vertical runs in a shaft.

**General Purpose** - For use in locations other than risers or plenums.

**Dwellings** - Cables for use in one, two, or multi-family dwellings and in raceways.

Information taken from Articles 800 and 725 of the 2005 National Electrical Code.  
Please consult these articles for details regarding specific applications.



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