

3090AE Paired - 600V Tray Cable

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil shield (100% coverage), drain wire, insulated green ground wire, ripcord, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Number of Conductors	1
Total Number of Conductors	3
AWG	16
Stranding	7x24
Conductor Material	BC - Bare Copper

GROUND WIRE:

Groun Wire (y/n)	Y
Ground Wire AWG	16
Ground Wire Stranding	7x24
Ground Wire Conductor Material	BC - Bare Copper
Ground Wire Insulation Material	PVC/Nylon - Polyvinyl Chloride/Nylon

INSULATION:

Insulation Material	PVC/Nylon - Polyvinyl Chloride/Nylon
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Pair Color Code Chart :

Number	Color
1	Black & White

OVERALL CABLING:

Overall Cabling Color Code Chart :

Number	Color
1	Black & White
2	Green

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape

3090AE Paired - 600V Tray Cable

Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.048 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.39 in.
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MECHANICAL CHARACTERISTICS:

Wet Temperature Range	-30°C To +75°C
Dry Temperature Range	-30°C To +90°C
Bulk Cable Weight	76 lbs/1000 ft.
Max. Recommended Pulling Tension	130 lbs.
Min. Bend Radius (Install)	3.9 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	NPLF, TC-ER, UL 1277
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	09/23/2005
Other Specification	ICEA S-73-532, S-61-402

FLAME TEST:

UL Flame Test	UL1685 UL Loading
C(UL) Flame Test	FT4
IEEE Flame Test	1202/383
ICEA Flame Test	T-29-520

SUITABILITY:

Suitability - Burial	Yes
Sunlight Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.176 µH/ft
Nom. Capacitance Conductor to Shield @ 1 KHz	87 pF/ft

3090AE Paired - 600V Tray Cable

Nom. Mutual Capacitance @ 1 KHz	50 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	3.67 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	4.99 Ohms/1000 ft
Max. Operating Voltage - UL	600 V RMS (NEC Type TC), 150 V RMS (NPLF)

NOTES:

Notes	Alternate color coding available upon request.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3090AE 0101000	2 #16 PVC/NYL FS + 1 #16 PVC	1000	65	BLACK	C
3090AE 0105000	2 #16 PVC/NYL FS + 1 #16 PVC	5000	340	BLACK	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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