

9579 Non-Paired - Power-Limited Fire Protective Signaling Circuit Cables

 	<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 solid bare copper conductors, conductors cabled, PVC insulation, overall Beldfoil® shield (100% coverage), 22 AWG stranded TCV drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	4
Total Number of Conductors	4
AWG	16
Stranding	Solid
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	.018 in.

OVERALL CABLING:

Overall Cabling Lay Length	1.75 in.
Overall Cabling Twists/ft.	6.8

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	3	Yellow
2	Red	4	Blue

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %
Outer Shield Drain Wire AWG	22
Outer Shield Drain Wire Stranding	7x30
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.042 in.

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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.301 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +105°C
UL Temperature Rating	105°C (UL AWM Style 2464), 105°C (UL AWM Style 1424)
Bulk Cable Weight	66.5 lbs/1000 ft.
Max. Recommended Pulling Tension	156 lbs.
Min. Bend Radius (Install)	3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	MPR, FPLR
NEC Articles	760
CEC/C(UL) Specification	FAS105
AWM Specification	UL Style 2464 (300 V 105°C), UL Style 1424 (300 V 105°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Other Specification	California State Fire Marshall

FLAME TEST:

UL Flame Test	UL1666 Vertical Tray
C(UL) Flame Test	FT4

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	53 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	98 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	4.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	11.3 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2464), 300 V RMS (UL AWM Style 1424)
Max. Recommended Current	11 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9579 0021000	4 #16 PVC SHLD PVC	1000	72	RED	C
9579 002U500	4 #16 PVC SHLD PVC	U500	35.5	RED	

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C = CRATE REEL PUT-UP.

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