

**9579 Multi-Conductor - Power-Limited Fire Protective Signaling Circuit Cables**

For more Information
please call

1-800-Belden1

**General 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 (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
4	16	Solid	BC - Bare Copper

Total Number of Conductors: 4

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4572

Outer Shield**Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.0668

Overall Cable**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Yellow
4	Blue

Overall Nominal Diameter: 7.645 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 96.733 Kg/Km

Max. Recommended Pulling Tension: 693.919 N

Min. Bend Radius/Minor Axis: 82.550 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR, FPLR
NEC Articles:	760
CEC/C(UL) Specification:	FAS105
AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	California State Fire Marshall

Flame Test

UL Flame Test:	UL1666 Vertical Tray
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
173.893

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
321.538

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
13.4521

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
37.0753

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
11 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9579 0021000	1,000 FT	70.000 LB	RED	C	4 #16 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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