BELDEN
SENDING ALL THE RIGHT SIGNALS

Part Number: 9579

Power-Limited Fire Protective Signaling Circuit Cables

Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
16	Solid	BC - Bare Copper	4

Total Number of Conductors:	4

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.018 in

Color Chart 1:

Number	Color
1	Black
2	Red
3	Yellow
4	Blue

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	7x30 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.301 in	0.042 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
4.1 Ohm/1000ft	11.3 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
53 pF/ft	98 pF/ft

Current:

Max. Recommended Current [A]
11 Amps per conductor @ 25°C A

Voltage:

UL Voltage Rating
300V RMS

Use

Max Recommended Pulling Tension:	156 lbs

Safety

CSA Flammability:	FT4
UL Flammability:	UL1666 Vertical Tray

Temperature Range

Operating Temp Range:	-40°C To +105°C
UL Temp Rating:	105°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.25 in

Part Number

Plenum (Y/N):	No

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	FAS105
MII Order #39 (China RoHS):	Yes
NEC Articles:	760
NEC/(UL) Specification:	CMR^FPLR
Other Specification:	California State Fire Marshall
UL AWM Style:	UL Style 2464 (300V 80°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History