

9583 Multi-Conductor - Power-Limited Fire Protective Signal Circ Cabl, 2 Cdrs Cabld



For more Information
please call

1-800-Belden1



General Description:

12 AWG solid bare copper conductors, conductors cabled, PVC insulation, Beldfoil® shield (100% coverage), 16 AWG stranded TC drain wire, PVC jacket

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	Solid	BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.584

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
16	Stranded	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

Overall Nominal Diameter: 8.712 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 119.056 Kg/Km

Max. Recommended Pulling Tension: 876.295 N

Min. Bend Radius/Minor Axis: 88.900 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: FPLR

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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 Riser
C(UL) Flame Test:	FT4
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

Nom. Inductance:

Inductance (µH/m)	0.59058
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Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	282.166
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	524.96
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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	6.562
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Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	16.7331
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Max. Operating Voltage - UL:

Voltage	300 V RMS
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Max. Recommended Current:

Current	21 Amps per conductor @ 25°C
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Notes (Overall)

Notes: This cable passes the UL 70, 000 BTU Flame Test (comparable to the IEEE 383 Flame Test) and are listed by the California State Fire Marshall. Component Recognized UL 2464, 300 V 80°C.

Put Ups and Colors:

METRIC MEASUREMENT VERSION

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
9583 0021000	1,000 FT	84.000 LB	RED	C	2 #12 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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