

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

For more Information
please call

1-800-Belden1

**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

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.022

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 (in.)
PVC - Polyvinyl Chloride	.042

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

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.343 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 80.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 197 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.370 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: FPLR

NEC Articles: 760

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CEC/C(UL) Specification:	FAS105
AWM Specification:	UL Style 2464 (300 V 80°C)
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

C(UL) Flame Test:	FT4
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Plenum/Non-Plenum

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

Nom. Inductance:

Inductance (μH/ft)
.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
86

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
160

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.1

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
21 Amps per conductor @ 25°C

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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

Notes:

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C = CRATE REEL PUT-UP.

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