



Part Number: 9583

Power-Limited Fire Protective Signal Circ Cbl, 2 Cdrs Cabled

Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
12	Solid	BC - Bare Copper	2
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.023 in

Color Chart 1:

Number	Color
1	Black
2	Red

Outersheild 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	16	Stranded mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.343 mm	0.042 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
2 Ohm/km	5.1 Ohm/km

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
86 pF/m	160 pF/m

Current:

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

Inductance:

Nominal Inductance
0.18 μ H/m

Voltage:

UL Voltage Rating
300V RMS

Use

Max Recommended Pulling Tension:	197 lbs
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Safety

C(UL) Flammability:	FT4
CSA Flammability:	FT4
UL Flammability:	UL1666 Riser

Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.5 in
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Part Number

Plenum (Y/N):	No
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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:	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

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, 300V 80°C.
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