



Part Number: 9578

Power-Limited Fire Protective, (4) 18 AWG Solid BC, PVC/PVC, Foil Shld, CMR

Product Description

Four 18 AWG solid bare copper conductors, PVC insulation, Beldfoil shield® shield (100% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	4
AWG Size:	18

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

Color Chart

Number	Color
1	Black
2	Red
3	Yellow
4	Blue

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.263 in	0.037 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	11.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
43 pF/ft	79.2 pF/ft

Inductance

Nominal Inductance
0.169 µH/ft

Current

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

Voltage

UL Voltage Rating
300V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	48 lbs/1000ft
Max Recommended Pulling Tension:	99 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	CMR, FPLR
CEC/C(UL) Specification:	FAS105
UL AWM Style:	UL Style 2464 (300 V 80°C)
Other Specification:	California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
9578 0021000	RED	C

Footnote:	C - CRATE REEL PUT-UP.
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