



Part Number: 9574

Power-Limited Fire Protective, (2) 18 AWG Solid BC, PVC/PVC, Foil Shld, CMR

Product Description

Two 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	2

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

Color Chart

Number	Color
1	Black
2	Red

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	0.231 in	0.037 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.2 Ohm/1000ft	10.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
58 pF/ft	108 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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Inductance

Nominal Inductance
0.102 µH/ft

Current

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

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:	29 lbs/1000ft
Max Recommended Pulling Tension:	50 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	760, 800
NEC/(UL) Specification:	CMR, FPLR
CEC/C(UL) Specification:	FAS105
UL AWM Style:	UL Style 2464 (300 V 80°C)
CPR Euroclass:	Eca
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, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL Voltage Rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color
9574 0025000	RED
9574 002U1000	RED
9574 002U500	RED

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