



**Part Number: 9581**

Power-Limited Fire Protective, (2) 14 AWG Solid BC, PVC/PVC, Foil Shld

## Product Description

Two 14 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
14	Solid	BC - Bare Copper	2

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	14 AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 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®	100 %	TC - Tinned Copper	16	Stranded mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.306 in	0.042 in

### Construction and Dimensions

#### Cabling

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.5 Ohm/1000ft	3.8 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
55 pF/ft	105 pF/ft

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

<b>Nominal Inductance</b>
0.18 µH/ft

**Current**

<b>Max. Recommended Current [A]</b>
18 Amps per conductor @ 25°C

**Voltage**

<b>UL Voltage Rating</b>
300V RMS

**Temperature Range**

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

**Mechanical Characteristics**

Bulk Cable Weight:	58 lbs/1000ft
Max Recommended Pulling Tension:	124 lbs
Min Bend Radius/Minor Axis:	3.25 in

**Standards**

NEC Articles:	760
NEC/(UL) Specification:	FPLR
CEC/C(UL) Specification:	FAS105
UL AWM Style:	UL Style 2464 (300 V 80°C)
CPR Euroclass:	Eca
Other Specification:	California State Fire Marshal

**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

**Suitability**

Suitability - Indoor:	Yes
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**Flammability, LSOH, Toxicity Testing**

UL Flammability:	UL1666 Riser
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	Footnote
9581 0021000	RED	C
9581 002U500	RED	

Footnote:	C - CRATE REEL PUT-UP.
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