



**Part Number:** 9581

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

## Product Description

14 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
14	Solid	BC - Bare Copper	2
Total Number of Conductors:			2

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

#### Color Chart 1:

Number	Color
1	Black
2	Red

#### Cabling 1:

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

#### Outershield 1:

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

### Outerjacket 1:

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

## 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

### Current:

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

### Inductance:

Nominal Inductance
0.18 µH/ft

### Voltage:

UL Voltage Rating
300V RMS

## Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	124 lbs

## Safety

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:	3.25 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 1685 70,000 BTU Flame Test (comparable to the IEEE 383 Flame Test) and is listed by the California State Fire Marshall. Component Recognized UL 2464, 300V 80°C.
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