



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Rated-NPLF, 4-14 AWG solid bare copper conductors with PVC/Nylon insulation, Overall Beldfoil® shield, PVC jacket with ripcord

### Usage (Overall)

Suitable Applications: Fire Alarm, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits, Non-Power Limited Signaling Cable

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	14	Solid	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC/Nylon - Polyvinyl Chloride/Nylon	0.5334

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	(7x28)	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.0668

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
101.5996	9.843

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Overall Nominal Diameter: 8.839 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 139.742 Kg/Km

Max. Recommended Pulling Tension: 946.577 N

Min. Bend Radius/Minor Axis: 88.900 mm

### Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	NPLF
NEC Articles:	760
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

**Flame Test**

UL Flame Test:	UL1685 UL Loading
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**Suitability**

Suitability - Indoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)**

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)  
123.694

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/m)  
222.78

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)  
8.07126

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)  
22.6389

**Max. Operating Voltage - UL:**

Voltage  
150 V RMS

**Max. Recommended Current:**

Current  
6.4 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5122FN 0021000	1,000 FT	103.000 LB	RED		4 #14 PVC/NYL FS FRPVC
5122FN 002500	500 FT	51.500 LB	RED		4 #14 PVC/NYL FS FRPVC

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