



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Overall Beldfoil® shield, Flamarrest® jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Fire Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	7x26	BC - Bare Copper

**Total Number of Conductors:** 2

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.009

#### 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
24	(7x32)	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

**Outer Jacket Ripcord:** Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
2.000	6.000

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 0.162 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** 0°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 19 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 45 lbs.

**Min. Bend Radius/Minor Axis:** 1.625 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** FPLP

**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):	10/01/2009
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:	NFPA 262
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
Non-Plenum Number:	5300FL

**Electrical Characteristics (Overall)**

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)  
63.000

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

Capacitance (pF/ft)  
113.500

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
6.500

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
16.000

**Max. Operating Voltage - UL:**

Voltage  
300 V RMS

**Max. Recommended Current:**

Current  
8 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300FL 002U1000	1,000 FT	20.000 LB	RED		2 #18 FLRST FS FLRST
6300FL 0021000	1,000 FT	20.000 LB	RED	C	2 #18 FLRST FS FLRST

**Notes:**

C = CRATE REEL PUT-UP.

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