



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Riser-FPLR, 4-18 AWG solid bare copper conductors with polyolefin insulation, Overall Beldfoil® shield, PVC jacket with ripcord

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	18	Solid	BC - Bare Copper

**Total Number of Conductors:** 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

**Outer Jacket Ripcord:** Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
2.750	4.400

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Brown
4	Blue

**Overall Nominal Diameter:** 0.170 in.

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 31.100 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 92.400 lbs.

**Min. Bend Radius/Minor Axis:** 1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

## 5322FL Multi-Conductor - Commercial Applications

NEC/(UL) Specification:	F-PLR
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):	04/01/2005
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
Other Specification:	California State Fire Marshall

### Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6322FL

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30.000

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

Capacitance (pF/ft)
54.000

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.4

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.6

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
3.5 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5322FL 002U1000	1,000 FT	30.000 LB	RED		4 #18 PP FS FRPVC
5322FL 0021000	1,000 FT	32.000 LB	RED	C	4 #18 PP FS FRPVC

### Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.