

## 5320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Riser-FPLR, 2-18 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
2	18	Solid	BC - Bare Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

#### 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 (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
69.850	Left Hand	14.436

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 3.734 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 236.644 N

Min. Bend Radius/Minor Axis: 38.100 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC(UL) Specification: FPLR

NEC Articles: 760

METRIC MEASUREMENT VERSION

## 5320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

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

### Flame Test

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

### Plenum/Non-Plenum

Plenum Number:	6320FL
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)

0.492

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

180.455

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

Capacitance (pF/m)

324.819

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

58.730

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5320FL D15U1000	1,000 FT	18.000 LB	BLUE		2 #18 PP FS FRPVC
5320FL D15I1000	1,000 FT	18.000 LB	BLUE	C	2 #18 PP FS FRPVC
5320FL 002U1000	1,000 FT	18.000 LB	RED		2 #18 PP FS FRPVC
5320FL 002U500	500 FT	9.500 LB	RED		2 #18 PP FS FRPVC
5320FL 002I1000	1,000 FT	18.000 LB	RED	C	2 #18 PP FS FRPVC
5320FL 003C500	500 FT	8.000 LB	ORANGE		2 #18 PP FS FRPVC
5320FL 004C500	500 FT	8.000 LB	YELLOW		2 #18 PP FS FRPVC
5320FL 004I1000	1,000 FT	18.000 LB	YELLOW		2 #18 PP FS FRPVC
5320FL 007I1000	1,000 FT	18.000 LB	VIOLET		2 #18 PP FS FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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