

6320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG solid bare copper conductors with FEP insulation, Overall Beldfoil® shield, Flammarrest® 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 Trade Name	Insulation Material	Wall Thickness (in.)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.010

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	solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

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

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
3	4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.155 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 20.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 53.200 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: FPLP

NEC Articles: 760

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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
MIL Order #39 (China RoHS):	Yes
Other Specification:	California State Fire Marshall

Flame Test

UL Flame Test:	NFPA 262
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5320FL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)

.16

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

65

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

117

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.900

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6320FL D151000	1,000 FT	22.000 LB	BLUE		2 #18 FLRST FS FLRST
6320FL 002U1000	1,000 FT	20.000 LB	RED		2 #18 FLRST FS FLRST
6320FL 0021000	1,000 FT	22.000 LB	RED	C	2 #18 FLRST FS FLRST
6320FL 0041000	1,000 FT	22.000 LB	YELLOW		2 #18 FLRST FS FLRST
6320FL 0051000	1,000 FT	22.000 LB	GREEN, DARK		2 #18 FLRST FS FLRST
6320FL 009U1000	1,000 FT	20.000 LB	WHITE		2 #18 FLRST FS FLRST
6320FL 0091000	1,000 FT	22.000 LB	WHITE		2 #18 FLRST FS FLRST
6320FL 0101000	1,000 FT	22.000 LB	BLACK		2 #18 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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