

## 6220FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Plenum-FPLP, 2-16 AWG solid bare copper conductors with Flamarrest® insulation, Overall Beldfoil® shield, Flamarrest® 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	16	Solid	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	0.010

#### 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.)
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	6

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.178 in.

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 76.400 lbs.

Min. Bend Radius/Minor Axis: 1.750 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
MII 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:	5220FL

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)

.15

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

77

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

Capacitance (pF/ft)

139

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.85

### 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

6.3 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6220FL D151000	1,000 FT	28.000 LB	BLUE		2 #16 FLRST FS FLRST
6220FL 002A1000	1,000 FT	28.000 LB	RED		2 #16 FLRST FS FLRST
6220FL 0021000	1,000 FT	28.000 LB	RED	C	2 #16 FLRST FS FLRST
6220FL 0091000	1,000 FT	28.000 LB	WHITE		2 #16 FLRST FS FLRST
6220FL 0101000	1,000 FT	28.000 LB	BLACK		2 #16 FLRST FS FLRST

### Notes:

C = CRATE REEL PUT-UP.

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product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).