

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 (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.254

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 (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
50.7998	19.686

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 4.521 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

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Bulk Cable Weight:	38.693 Kg/Km
Max. Recommended Pulling Tension:	339.842 N
Min. Bend Radius/Minor Axis:	44.450 mm

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):	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/m)
0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
252.637

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
456.059

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
12.6319

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
55.449

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
6.3 Amps per conductor @ 25°C

Put Ups and Colors:

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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 002Z1000	1,000 FT	29.000 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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