

## 6220FK Multi-Conductor - Commercial Applications, Addressable Systems - 2 Cond Cabled



For more Information  
please call

1-800-Belden1



### General Description:

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

### Usage (Overall)

Suitable Applications: Addressable Fire Systems, Data Circuits, Monitor/Detection, 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 Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.4572

#### 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
20	(7x28)	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)
63.49975	15.7488

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 5.334 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 39.437 Kg/Km

Max. Recommended Pulling Tension: 339.842 N

Min. Bend Radius/Minor Axis: 57.150 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: FPLP

NEC Articles: NEC Articles 760

## METRIC MEASUREMENT VERSION

### 6220FK Multi-Conductor - Commercial Applications, Addressable Systems - 2 Cond 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
Other Specification:	California State Fire Marshall

#### Flame Test

UL Flame Test:	NFPA 262
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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#### Electrical Characteristics (Overall)

##### Nom. Inductance:

Inductance ( $\mu\text{H/m}$ )  
0.59058

##### Nom. Capacitance Conductor to Conductor:

Capacitance ( $\text{pF/m}$ )  
101.711

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

Capacitance ( $\text{pF/m}$ )  
183.08

##### Nom. Conductor DC Resistance:

DCR @ 20°C ( $\text{Ohm/km}$ )  
12.7959

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C ( $\text{Ohm/km}$ )  
24.9356

##### Max. Operating Voltage - UL:

Voltage  
300 V RMS

##### Max. Recommended Current:

Current  
10.1 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6220FK 0021000	1,000 FT	37.000 LB	RED		2 #16 FEP FS FLRST

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