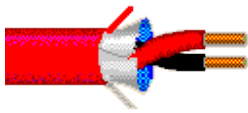


## 5220FJ Multi-Conductor - Commercial Applications - 2 Cond Cabled

For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Rated-FPL, 2-16 AWG solid bare copper conductors with foamed polyolefin insulation, Overall Beldfoil® shield, PVC jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Addressable Fire Systems, Data Circuits, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits, Power Limited, Mid-Capacitance

### 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)
Datalene®	FHDPE - Foam High Density Polyethylene	0.381

#### 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
20	(7x28)	TC - Tinned Copper	

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8382

**Outer Jacket Ripcord:** Yes

### Overall Cable

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (twist/m)
57.149775	17.3893

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 5.969 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

## 5220FJ Multi-Conductor - Commercial Applications - 2 Cond Cabled

Bulk Cable Weight:	43.009 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:	FPL
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):	01/01/2004
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:	UL1685 UL Loading
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6220FJ

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)	0.55777
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	103.352
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#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	185.377
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	12.7959
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#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	50.035
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#### Max. Operating Voltage - UL:

Voltage	300 V RMS
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#### Max. Recommended Current:

Current	6.3 Amps per conductor @ 25°C
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5220FJ 002U1000	1,000 FT	35.000 LB	RED		2 #16 FPE FS PVC

## METRIC MEASUREMENT VERSION

### 5220FJ Multi-Conductor - Commercial Applications - 2 Cond Cabled

5220FJ 0021000	1,000 FT	37.000 LB	RED		2 #16 FPE FS PVC
5220FJ 002500	500 FT	18.000 LB	RED		2 #16 FPE FS PVC

Revision Number: 2    Revision Date: 01-20-2015

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