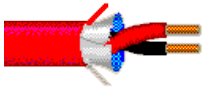


5220FJ Multi-Conductor - Commercial Applications - 2 Cond Cabled



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

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

METRIC MEASUREMENT VERSION

5220FJ Multi-Conductor - Commercial Applications - 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):	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

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
103.352

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
185.377

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
12.7959

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
50.035

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
5220FJ 002U1000	1,000 FT	35.000 LB	RED		2 #16 FPE FS PVC
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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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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