

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

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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
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 (µH/m)	0.59058
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Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	101.711
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	183.08
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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)	24.9356
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Max. Operating Voltage - UL:

Voltage	300 V RMS
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Max. Recommended Current:

Current	10.1 Amps per conductor @ 25°C
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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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