



Product: [6220FK](#) 

Fire Alarm, #16-2c BC, Shielded, FPLP

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Addressable Systems, Circuits: Audio, Control, Initiating, Notification
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	16 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.018 in (0.46 mm)	0.088 in (2.2 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.21 in	Yes

Overall Cable Diameter (Nominal):	0.21 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
4.26 Ohm/1000ft	31 pF/ft (100 pF/m)	55.8 pF/ft (183 pF/m)	0.18 µH/ft (0.59 µH/m)	6 Amps per Conductor at 25°C
Nom Outer Shield DCR:		8.1 Ohm/1000ft (27 Ohm/km)		

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
3.15 in (80.0 mm)	3.15 in

Max. Pull Tension:	75 lbs (34 kg)
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910)
NEC / UL Compliance:	Article 760, FPLP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall

History

Update and Revision:	Revision Number: 0.460 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC
6220FK 0021000	Red	612825174332

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