



Product: [6220UJ](#) 

Fire Alarm, #16-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-16 AWG solid bare copper conductors with FEP insulation, 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	0.012 in (0.30 mm)	0.066 in (1.7 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.180 in (4.57 mm)	Yes

Overall Cable Diameter (Nominal):	0.162 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Nom. Inductance	Max. Current
4.26 Ohm/1000ft	16 pF/ft (52 pF/m)	100 Ohm	0.14 µH/ft (0.46 µH/m)	6 Amps per Conductor at 25°C

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.
1.28 in (32.5 mm)	1.28 in

Max. Pull Tension:	62 lbs (28 kg)
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Bulk Cable Weight:	22 lbs/1000ft
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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

Product Notes

Notes:	Teflon® is a trademark of DuPont.
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History

Update and Revision:	Revision Number: 0.457 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6220UJ 0021000	Red	612825174363	C

Footnote:	C - CRATE REEL PUT-UP.
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