



Product: [5220UJ](#) 

Fire Alarm, #16-2c BC, FPL

Product Description

Fire Alarm Cable, Rated-FPL, 2-16 AWG solid bare copper conductors with foam polyolefin insulation, PVC 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
Pair(s)	1	16 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.015 in (0.38 mm)	0.082 in (2.1 mm)	Black & Red	HDPE

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.23 in	Yes

Overall Cable Diameter (Nominal):	0.23 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
3.9 Ohm/1000ft	13 pF/ft (43 pF/m)	0.17 µH/ft (0.56 µH/m)	6.3 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.84 in (46.7 mm)	1.84 in

Max. Pull Tension:	62.4 lbs (28.3 kg)
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Bulk Cable Weight:	29 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPL
CEC / C(UL) Compliance:	.
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6220UJ

History

Update and Revision:	Revision Number: 0.318 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5220UJ 0021000	Red	612825158363	C

Footnote:	C - CRATE REEL PUT-UP.
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