



**Product:** [5220UV](#)

Fire Alarm, #16-2c BC, Low Capacitance, FPLR

### Product Description

Fire Alarm Cable, Rated-FPLR, 2-16 AWG solid bare copper conductors with Polypropylene insulation, PVC jacket with ripcord

### Technical Specifications

#### Product Overview

Suitable Applications:	Addressable Fire Alarm Circuits, SLC Loops, Initiating Devices, Digital Audio Loops
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#### Construction Details

##### Conductor

Element	No. of Pairs	Size	Stranding	Material
Pair(s)	1	16 AWG	Solid	BC - Bare Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	.018 in (0.46 mm)	.087 in (2.2 mm)	Black, Red

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	.030 in (0.76 mm)	.234 in (5.94 mm)	Yes

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Max. Current
3.9 Ohm/1000ft (13 Ohm/km)	14.5 pF/ft (47.6 pF/m)	100 Ohm	6.3 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
75°C	-5°C To +75°C

##### Bend Radius

Stationary Min.
2.3 in (58 mm)

Max. Pull Tension:	62 lbs (28 kg)
Bulk Cable Weight:	35 lbs/1000ft (52 kg/km)

#### Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
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Flammability / Reaction to Fire:	UL 1666 riser, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPLR
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6220UJ

## History

Update and Revision:	Revision Number: 0.11 Revision Date: 02-21-2024
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