



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

Fire Alarm, #16-2c BC, FPLR

### Product Description

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

### Technical Specifications

#### Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	16	Solid	BC - Bare Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.007 in (0.18 mm)	0.065 in (1.7 mm)	Black, Red

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.166 in (4.22 mm)	Yes

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.18 Ohm/1000ft	24 pF/ft (79 pF/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.
1.32 in (33.5 mm)	1.32 in (33.5 mm)

Max. Pull Tension:	62.4 lbs (28.3 kg)
Bulk Cable Weight:	21 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	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), 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:	6220UL

## History

Update and Revision:	Revision Number: 0.497 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	UPC
5220UL 0101000	Black	612825158448
5220UL D151000	Blue	612825158370
5220UL 0011000	Brown	612825158387
5220UL 0031000	Orange	612825158417
5220UL 0021000	Red	612825158394
5220UL 002500	Red	612825158400
5220UL 002U1000	Red	612825336662
5220UL 002A1000	Red	
5220UL 009U1000	White	612825158431
5220UL 0041000	Yellow	612825158424

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