



**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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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
16	Solid	BC - Bare Copper	2

Conductor Count:	2
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#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.166 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Lay Direction	Twists
Left Hand	4.4 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
3.85 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
24 pF/ft

## Inductance

### Nominal Inductance

0.145 µH/ft

## Current

Element	Max. Recommended Current [A]
10C Temperature Rise	6.3 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	21 lbs/1000ft
Max. Pull Tension:	62.4 lbs
Min. Bend Radius/Minor Axis:	1.625 in

## Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	6220UL

## Part Number

### 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

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.373 Revision Date: 07-12-2021
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