



**Product:** [5222UL](#)

Fire Alarm, #16-4c BC, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 4-16 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	4

Conductor Count:	4
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#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

#### Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.193 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Twists
3 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
3.85 Ohm/1000ft

#### Capacitance

<b>Nom. Capacitance Conductor to Conductor</b>
23.5 pF/ft

#### Current

<b>Max. Recommended Current [A]</b>
5 Amps per Conductor at 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	42.6 lbs/1000ft
Max. Pull Tension:	124.8 lbs
Min Bend Radius/Minor Axis:	1.875 in

#### Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
Other Compliance:	California State Fire Marshall

#### 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6222UL

#### Part Number

#### Variants

Item #	Color	UPC
5222UL 0021000	Red	612825158561

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

Update and Revision:	Revision Number: 0.226 Revision Date: 02-16-2021
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