



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

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

Nom. Capacitance Conductor to Conductor

23.5 pF/ft

Current**Max. Recommended Current [A]**

5 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: 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.

History

Update and Revision: Revision Number: 0.225 Revision Date: 06-24-2020

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