



Product: [5202UL](#) 

Fire Alarm, #16-4c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 4-16 AWG stranded 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	19x29	BC - Bare Copper	4

Conductor Count:	4
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.008 in

Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.21 in	0.017 in	Yes

Construction and Dimensions

Cabling

Twists
3.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
22.75 pF/ft

Current

Max. Recommended Current [A]
8.8 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	41 lbs/1000ft
Maximum Recommended Pulling Tension:	121.5 lbs
Minimum Minor Axis Bend Radius:	2.125 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR

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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
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 Number:	6202UL
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Related Part Numbers

Variants

Item #	Color	UPC
5202UL 002U1000	Red	612825158011

History

Update and Revision:	Revision Number: 0.169 Revision Date: 05-05-2023
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