



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

Fire Alarm, #16-4c BC, Shielded, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 4-16 AWG solid bare copper conductors with polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
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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	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	Solid

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.197 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Twists
4 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
3.9 Ohm/1000ft	7.2 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
32.5 pF/ft	58.5 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:	43 lbs/1000ft
Max. Pull Tension:	138.8 lbs
Min. Bend Radius/Minor Axis:	2 in

#### Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
Other Specification:	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 2):	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:	6222FL

#### Part Number

##### Variants

Item #	Color	UPC
5222FL 0021000	Red	612825158523

#### History

Update and Revision:	Revision Number: 0.242 Revision Date: 05-26-2021
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