

**Part Number: 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 Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
AWG Size:	16

#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Material
Unshielded

#### 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 Length	Lay Direction	Twists
2.75 in	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

<b>Nominal Inductance</b>
0.145 µH/ft

#### Current

<b>Element</b>	<b>Max. Recommended Current [A]</b>
10C Temperature Rise	Per conductor @ 25°C: 6.3 A

#### Voltage

<b>UL Voltage Rating</b>
300V 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 Recommended Pulling Tension:	62.4 lbs
Min Bend Radius/Minor Axis:	1.625 in

#### Standards

NEC Articles:	760
NEC/(UL) Specification:	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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

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

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4

#### Part Number

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

#### Variants

Item #	Color	Footnote
5220UL 0101000	BLACK	
5220UL D151000	BLUE	
5220UL 0011000	BROWN	
5220UL 0031000	ORANGE	C
5220UL 0021000	RED	C
5220UL 002500	RED	
5220UL 002U1000	RED	
5220UL 002A1000	RED	
5220UL 009U1000	WHITE	
5220UL 0041000	YELLOW	

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