


Product: [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 Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification
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Construction Details
Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	16	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.007 in (0.18 mm)	0.065 in (1.7 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.166 in (4.22 mm)	Yes

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
4.18 Ohm/1000ft	24 pF/ft (79 pF/m)	0.145 μ H/ft (0.476 μ H/m)	6.3 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics
Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.32 in (33.5 mm)	1.32 in (33.5 mm)
Max. Pull Tension:	62.4 lbs (28.3 kg)
Bulk Cable Weight:	21 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1666 riser, IEC 60332-1-2

CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPLR
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6220UL

History

Update and Revision:	Revision Number: 0.516 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5220UL 0101000	Black	612825158448	
5220UL D151000	Blue	612825158370	
5220UL 0011000	Brown	612825158387	
5220UL 0031000	Orange	612825158417	C
5220UL 0021000	Red	612825158394	C
5220UL 002500	Red	612825158400	
5220UL 002U1000	Red	612825336662	
5220UL 002A1000	Red		
5220UL 009U1000	White	612825158431	
5220UL 0041000	Yellow	612825158424	

Footnote: C - CRATE REEL PUT-UP.

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