



Product: [6220UL](#) 

Fire Alarm, #16-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-16 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® 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 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.067 in (1.7 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.166 in (4.22 mm)	Yes

Overall Cable Diameter (Nominal): 0.166 in (4.22 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	3.85 Ohm/1000ft	37 pF/ft (120 pF/m)	0.15 µH/ft (0.49 µH/m)	14.4 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°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 lbs (28 kg)

Bulk Cable Weight: 22 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
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Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum)
NEC / UL Compliance:	Article 760, FPLP
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall
Non-Plenum Number:	5220UL

History

Update and Revision:	Revision Number: 0.431 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6220UL D15U1000	Blue	612825174370	
6220UL 001U1000	Brown		
6220UL 003C500	Orange	612825174417	
6220UL 003U1000	Orange	612825174424	
6220UL 0021000	Red	612825174394	C
6220UL 002500	Red	612825174400	
6220UL 002C500	Red		
6220UL 002U1000	Red	612825174387	
6220UL 007U1000	Violet	612825174455	
6220UL 004C500	Yellow	612825174431	
6220UL 004U1000	Yellow	612825174448	

Footnote:	C - CRATE REEL PUT-UP.
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