



Product: [6324UL](#)

Fire Alarm, #18-6c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 6-18 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)	6	18 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.061 in (1.5 mm)	Black, Red, Brown, Blue, Orange, Yellow

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.211 in	Yes

Overall Cable Diameter (Nominal):	0.211 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
6.72 Ohm/1000ft	29 pF/ft (95 pF/m)	3.5 Amps per Conductor at 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.
1.68 in (42.7 mm)	1.68 in

Max. Pull Tension:	117.6 lbs (53.34 kg)
Bulk Cable Weight:	42.2 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910)
NEC / UL Compliance:	Article 760, FPLP
European Directive Compliance:	EU CE Mark, 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:	5324UL

History

Update and Revision:	Revision Number: 0.305 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6324UL 0021000	Red	612825176015	C
6324UL 002U1000	Red	612825176008	
6324UL 002A1000	Red	612825412960	

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