



Product: [5300UL](#)

Fire Alarm, #18-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG stranded 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
Pair(s)	1	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.062 in (1.6 mm)	Black & Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.158 in	Yes

Overall Cable Diameter (Nominal):	0.158 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	6.5 Ohm/1000ft	20.25 pF/ft (66.44 pF/m)	5 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.
1.26 in (32.0 mm)	1.26 in

Max. Pull Tension:	45 lbs (20 kg)
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Bulk Cable Weight:	15 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
NEC / UL Compliance:	Article 760, FPLR
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)
Plenum Number:	6300UL

History

Update and Revision:	Revision Number: 0.235 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5300UL 0021000	Red	612825159308	C
5300UL 002U1000	Red	612825159292	

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