



Product: [5320UL](#)

Fire Alarm, #18-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG solid bare copper conductors with polypropylene 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	18 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.007 in (0.18 mm)	0.055 in (1.4 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.143 in (3.63 mm)	Yes

Overall Cable Diameter (Nominal):	0.143 in (3.63 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Max. Current
Conductor(s)	6.4 Ohm/1000ft	29 pF/ft (95 pF/m)	29 pF/ft (95 pF/m)	14 Amps per conductor @ 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.
1.14 in (29.0 mm)	1.14 in (29.0 mm)

Max. Pull Tension:	39.2 lbs (17.8 kg)
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, 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:	6320UL

History

Update and Revision:	Revision Number: 0.435 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5320UL 0101000	Black	612825160526	
5320UL 010U1000	Black	612825160519	
5320UL D151000	Blue	612825160465	C
5320UL D15C500	Blue	612825160458	
5320UL 001U1000	Brown	612825160472	
5320UL 0021000	Red	612825160502	C
5320UL 002C500	Red		
5320UL 002U1000	Red	612825160489	
5320UL 002U500	Red	612825160496	
5320UL 009C500	White		

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