Product: 5120UL

Fire Alarm, #14-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-14 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	14 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.010 in (0.25 mm)	0.0845 in (2.15 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PP - Polypropylene	0.017 in (0.43 mm)	0.205 in (5.21 mm)	Yes

Overall Cable Diameter (Nominal):	0.205 in (5.21 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	2.43 Ohm/1000ft	23 pF/ft (75 pF/m)	25 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
300 V (FPLR)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.64 in (41.7 mm)	1.64 in (41.7 mm)

Max. Pull Tension:	99 lbs (45 kg)
Bulk Cable Weight:	33 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:	6120UL

History

Update and Revision:	Revision Number: 0.459 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
5120UL 0101000	Black	612825156994	
5120UL D151000	Blue	612825156963	C
5120UL 0061000	Blue	612825350767	
5120UL 0061000	Blue	612825350767	
5120UL 0051000	Green	612825350750	
5120UL 0051000	Green	612825350750	
5120UL 0031000	Orange	612825350743	
5120UL 0031000	Orange	612825350743	
5120UL 0021000	Red	612825336488	C
5120UL 002500	Red	612825156970	C
5120UL 0071000	Violet	612825350774	
5120UL 0071000	Violet	612825350774	
5120UL 0091000	White	612825350781	
5120UL 0091000	White	612825350781	
5120UL 0041000	Yellow	612825156987	

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