



Product: [5320FL](#)

Fire Alarm, #18-2c BC, Shielded, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG solid bare copper conductors with polypropylene insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
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Construction Details

Conductor

Element	Number of Element	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 Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (Solid) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.147 in (3.73 mm)	Yes

Overall Cable Diameter (Nominal):	0.147 in (3.73 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.4 Ohm/1000ft	55 pF/ft (180 pF/m)	99 pF/ft (320 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.
2.20 in (55.9 mm)	2.20 in (55.9 mm)

Max. Pull Tension:	44.3 lbs (20.1 kg)
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Bulk Cable Weight:	17 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6320FL

History

Update and Revision:	Revision Number: 0.456 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	UPC
5320FL D151000	Blue	612825160335
5320FL D15U1000	Blue	612825336969
5320FL 003C500	Orange	612825160366
5320FL 0021000	Red	612825160359
5320FL 002U1000	Red	612825336976
5320FL 002U500	Red	612825160342
5320FL 0071000	Violet	612825160397
5320FL 0041000	Yellow	612825160380
5320FL 004C500	Yellow	612825160373

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