Belden



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

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 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)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	6.4 Ohm/1000ft	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	0.15 µH/ft (0.49 µH/m)	14 Amps per conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnv:	17.9 Ohm/1000ft (58.7 Ohm/km)

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)
Bulk Cable Weight:	17 lbs/1000ft

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: 0.460 Revision Date: 09-07-2025

Part Numbers

Variants

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

Footnote:	C - CRATE REEL PUT-UP.

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