



Product: [5320FL](#)

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

Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG solid bare copper conductors with polyolefin 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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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	Solid	BC - Bare Copper	2

Conductor Count:	2
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Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.007 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.147 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	17.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
55 pF/ft	99 pF/ft

Inductance

Nominal Inductance

0.15 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C: 5 A

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max Recommended Pulling Tension:	53.2 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLR

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6320FL

Part Number

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

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.246 Revision Date: 05-11-2020
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