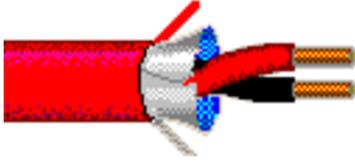


Part Number: 5320FL

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

Use

Suitable Applications:	18 AWG Bare Copper Conductors ~ PP Insulation ~ Conductors Cabled Together ~ Beldfoil® Shield and Drain Wire ~ Red PVC Jacket With Ripcord ~ Sequential Footage Marking Every Two Feet
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	Solid	BC - Bare Copper	2

Total Number of Conductors:	2
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Insulation

Material	Nominal Wall Thickness
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	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	Solid mm

Outer Jacket Material

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

Electrical Characteristics

Capacitance

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

Construction and Dimensions

Conductor DCR

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

High Freq

Max. Insertion Loss (Attenuation)	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF (ELFEXT) [dB]	Nominal Common Mode Attenuation
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				26.9 dB/100m
		26.9 dB		
	26.5 dB			
26.6 dB/100m	26.5 dB			
26.6 dB/100m				
			26.8 dB	
			26.8 dB	

Current

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

Inductance

Nominal Inductance
0.15 µH/ft

Voltage

UL Voltage Rating
300V RMS

Applicable Standards & Environmental 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

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

Flame Test

CSA Flammability:	FT4
UL Flammability:	UL1666 Riser

Mechanical Characteristics

Operating Temp Range:	-20°C To +75°C
Bulk Cable Weight:	20(lbs/1000ft)
Max Recommended Pulling Tension:	53.2(lbs)
Min Bend Radius/Minor Axis:	1.5(in)

Temperature Range

UL Temp Rating:	75°C
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Plenum/Non-Plenum

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

History

Variants

Item #	Color
5320FL D151000	Blue
5320FL D15U1000	Blue
5320FL 003C500	Orange
5320FL 0021000	Red
5320FL 002U1000	Red
5320FL 002U500	Red
5320FL 0071000	Violet
5320FL 0041000	Yellow
5320FL 004C500	Yellow

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