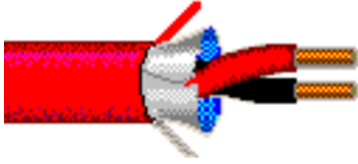


Part Number: 5120FL

Fire Alarm, #14-2c BC, Shielded, FPLR



Product Description

Fire Alarm Cable, Riser-FPLR, 2-14 AWG solid bare copper conductors with polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Use

Suitable Applications:	Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.01 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	Solid mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.209 in	0.017 in	Yes

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
60 pF/ft	108 pF/ft

Construction and Dimensions

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.43 Ohm/1000ft	11.2 Ohm/1000ft

High Freq

Frequency [MHz]	Min. ACR [dB]	Min. PSACR [dB]	Min. RL (Return Loss) [dB]
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			25 dB
			25 dB
			25 dB
25 MHz			
	25 dB	25 dB	

Current

Max. Recommended Current [A]

Per conductor @ 25°C: 8 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 2003/96/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
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	California State Fire Marshall

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:	35 lbs/1000ft
Max Recommended Pulling Tension:	113 lbs
Min Bend Radius/Minor Axis:	2 in

Temperature Range

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

Plenum (Y/N):	No
Plenum Number:	6120FL

History

Variants

Item #	Color
5120FL D151000	Blue
5120FL 0021000	Red

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