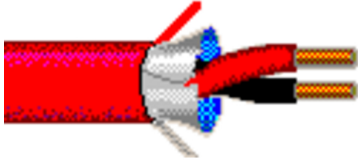


**Part Number: 5120FL**

**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

### Product Overview

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
Conductor Size:	14 AWG

#### 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/Polyester	Beldfoil®	100 %	TC - Tinned Copper	22	Solid

#### Outer Jacket Material

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

### Construction and Dimensions

#### Cabling

Twists
4.8 twist/ft

### Electrical Characteristics

#### Conductor DCR

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

#### Capacitance

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

Shielding:	Foil(s) or Copper Tape(s)
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## Inductance

### Nominal Inductance

0.15 µH/ft

## High Freq

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

## Current

### Max. Recommended Current [A]

Per conductor @ 25°C: 8 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:	35 lbs/1000ft
Max Recommended Pulling Tension:	113 lbs
Min Bend Radius/Minor Axis:	2 in

## Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLR
CPR Euroclass:	Eca
Other Specification:	California State Fire Marshall

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

## Flammability, LS0H, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Part Number

## Variants

Item #	Color	Footnote
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5120FL D151000	Blue	
5120FL 0021000	Red	C

Footnote: C - CRATE REEL PUT-UP.

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