



## Product: [5120UL](#)

Fire Alarm, #14-2c BC, FPLR

### Product Description

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

### Technical Specifications

#### Product Overview

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

##### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	14	Solid	BC - Bare Copper	2

Conductor Count: 2

##### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.01 in

##### Color Chart

Number	Color
1	Black
2	Red

##### Outer Shield Material

Material
No Shield

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.205 in	0.017 in	Yes

#### Construction and Dimensions

##### Cabling

Lay Direction	Twists
Left Hand	3.4 twist/ft

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
2.43 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor
23 pF/ft

## Inductance

### Nominal Inductance

0.15  $\mu$ H/ft

## Current

Element	Max. Recommended Current [A]
10C Temperature Rise	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:	32 lbs/1000ft
Max. Pull Tension:	99.4 lbs
Min Bend Radius/Minor Axis:	2 in

## Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
CPR Euroclass:	Eca

## 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
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	6120UL

## Part Number

### Variants

Item #	Color	UPC
5120UL 0101000	Black	612825156994
5120UL D151000	Blue	612825156963
5120UL 0061000	Blue	612825350767
5120UL 0061000	Blue	612825350767
5120UL 0051000	Green	612825350750
5120UL 0051000	Green	612825350750

5120UL 0031000	Orange	612825350743
5120UL 0031000	Orange	612825350743
5120UL 0021000	Red	612825336488
5120UL 002500	Red	612825156970
5120UL 0071000	Violet	612825350774
5120UL 0071000	Violet	612825350774
5120UL 0091000	White	612825350781
5120UL 0091000	White	612825350781
5120UL 0041000	Yellow	612825156987

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.243 Revision Date: 05-11-2020

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