



**Product:** [6120UJ](#)

Fire Alarm, #14-2c BC, FPLP

## Product Description

Fire Alarm Cable, Plenum-FPLP, 2-14 AWG solid bare copper conductors with FEP insulation, Flamarrest® jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Fire Alarm, Addressable Systems, Circuits: Audio, Control, Initiating, Notification
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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	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.007 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.186 in	0.015 in

### Construction and Dimensions

#### Cabling

Twists
4.8 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
2.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
26 pF/ft

## Inductance

### Nominal Inductance

0.15 µH/ft

## Current

### Max. Recommended Current [A]

8 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	33 lbs/1000ft
Max. Pull Tension:	100 lbs
Min Bend Radius/Minor Axis:	1.9 in

## Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLP
Other Compliance:	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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

Item #	Color	UPC
6120UJ 0021000	Red	612825173694

## Product Notes

Notes:	Teflon® is a trademark of DuPont.
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## History

Update and Revision:	Revision Number: 0.223 Revision Date: 06-24-2020
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