



**Product:** [5020UL](#) 

Fire Alarm, #12-2c BC, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 2-12 AWG solid bare copper conductors with polypropylene insulation, PVC jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	12 AWG	Solid	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.010 in (0.25 mm)	0.1015 in (2.578 mm)	Black, Red

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.239 in (6.07 mm)	Yes

Overall Cable Diameter (Nominal):	0.239 in (6.07 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	1.53 Ohm/1000ft	25 pF/ft (82 pF/m)	0.14 $\mu$ H/ft (0.46 $\mu$ H/m)	30 Amps per conductor @ 30°C

#### Voltage

UL Voltage Rating
300 V (FPLR)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

#### Bend Radius

Stationary Min.	Installation Min.
1.64 in (41.7 mm)	1.64 in (41.7 mm)

Max. Pull Tension:	158 lbs (71.7 kg)
Bulk Cable Weight:	49 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4
NEC / UL Compliance:	Article 760, FPLR
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall
Plenum Number:	6020UL

## History

Update and Revision:	Revision Number: 0.432 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
5020UL 0021000	Red	612825155911	C

Footnote:	C - CRATE REEL PUT-UP.
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