



**Product:** [5304UL](#)

Fire Alarm, #18-6c BC, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 6-18 AWG stranded 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

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	6

Conductor Count:	6
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#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.008 in

#### Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow

#### Outer Shield

Material
No Shield

#### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.22 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Twists
3.4 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

## Capacitance

<b>Nom. Capacitance Conductor to Conductor</b>
20.25 pF/ft

## Current

<b>Max. Recommended Current [A]</b>
5.6 Amps per Conductor at 25°C

## Voltage

<b>UL Voltage Rating</b>
300 V RMS

## Temperature Range

UL Temperature Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	34 lbs/1000ft
Maximum Recommended Pulling Tension:	134.5 lbs
Minimum Minor Axis Bend Radius:	2.25 in

## Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR

## 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	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 Number:	6304UL
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## Related Part Numbers

### Variants

Item #	Color	UPC
5304UL 002U1000	Red	612825159919

## History

Update and Revision:	Revision Number: 0.175 Revision Date: 05-05-2023
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