



**Product:** [6324UL](#)

Fire Alarm, #18-6c BC, FPLP

## Product Description

Fire Alarm Cable, Plenum-FPLP, 6-18 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® 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	Solid	BC - Bare Copper	6

Conductor Count:	6
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#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.01 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	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.211 in	0.015 in	Yes

### Construction and Dimensions

#### Cabling

Twists
3.4 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.4 Ohm/1000ft

## Capacitance

### Nom. Capacitance Conductor to Conductor

29 pF/ft

## Current

### Max. Recommended Current [A]

3.5 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: 42.2 lbs/1000ft

Max. Pull Tension: 117.6 lbs

Min. Bend Radius/Minor Axis: 2.1 in

## Standards

NEC Articles: Article 760

NEC/(UL) Compliance: FPLP

Other Specification: California State Fire Marshal

## 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, LSOH, Toxicity Testing

UL Flammability: NFPA 262 Plenum Flame Test (UL910)

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Part Number

Non-Plenum Number: 5324UL

## Variants

Item #	Color	UPC
6324UL 0021000	Red	612825176015
6324UL 002U1000	Red	612825176008
6324UL 002A1000	Red	612825412960

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.295 Revision Date: 08-27-2021

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