



**Part Number:** 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 Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
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**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	6
Conductor Size:	18 AWG

**Insulation**

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke 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**

Material
Unshielded

**Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke 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
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6.4 Ohm/1000ft

#### Capacitance

##### Nom. Capacitance Conductor to Conductor

29 pF/ft

#### Current

##### Max. Recommended Current [A]

3.5 Amps per conductor @ 25°C A

#### 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 Recommended Pulling Tension:	117.6 lbs
Min Bend Radius/Minor Axis:	2.1 in

#### Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLP
Other Specification:	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):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flammability, LS0H, Toxicity Testing

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

Non-Plenum Number:	5324UL
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#### Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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