



**Product:** [6222UL](#)

Fire Alarm, #16-4c BC, FPLP

## Product Description

Fire Alarm Cable, Plenum-FPLP, 4-16 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
16	Solid	BC - Bare Copper	4

Conductor Count:	4
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#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.008 in

#### Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.194 in	0.015 in	Yes

### Construction and Dimensions

#### Cabling

Twists
3.7 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
3.85 Ohm/1000ft

## Capacitance

### Nom. Capacitance Conductor to Conductor

37 pF/ft

## Current

### Max. Recommended Current [A]

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:	43.5 lbs/1000ft
Max. Pull Tension:	124.8 lbs
Min Bend Radius/Minor Axis:	2 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):	2005-04-01
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
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## Part Number

Non-Plenum Number:	5222UL
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## Variants

Item #	Color	UPC
6222UL 0021000	Red	612825174479
6222UL 002500	Red	612825174486

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.221 Revision Date: 06-24-2020
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