

**Part Number: 6220UL**

Fire Alarm, #16-2c BC, FPLP



**Product Description**

Fire Alarm Cable, Plenum-FPLP, 2-16 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
16	Solid	BC - Bare Copper	2

Conductor Count:	2
Conductor Size:	16 AWG

**Insulation**

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

**Color Chart**

Number	Color
1	Black
2	Red

**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®	0.166 in	0.015 in	Yes

**Construction and Dimensions**

**Cabling**

Twists
4.4 twist/ft

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
3.85 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor
37 pF/ft

Shielding:	Unshielded
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## Inductance

### Nominal Inductance

0.15 µH/ft

## Current

### Max. Recommended Current [A]

Per conductor @ 25°C: 6.3 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:	23.5 lbs/1000ft
Max Recommended Pulling Tension:	62.4 lbs
Min Bend Radius/Minor Axis:	1.625 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 2003/11/EC (BFR):	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 2015/863/EU:	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:	5220UL
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## Variants

Item #	Color	Footnote
6220UL D15U1000	Blue	
6220UL 001U1000	Brown	
6220UL 003C500	Orange	
6220UL 003U1000	Orange	
6220UL 0021000	Red	C
6220UL 002500	Red	
6220UL 002C500	Red	
6220UL 002U1000	Red	
6220UL 007U1000	Violet	

6220UL 004C500	Yellow	
6220UL 004U1000	Yellow	

Footnote:	C - CRATE REEL PUT-UP.
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