



Product: [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 Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	16	Solid	BC - Bare Copper	2

Conductor Count:	2
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Insulation

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

Color Chart

Number	Color
1	Black
2	Red

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®	0.166 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

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
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	UPC
6220UL D15U1000	Blue	612825174370
6220UL 001U1000	Brown	
6220UL 003C500	Orange	612825174417
6220UL 003U1000	Orange	612825174424
6220UL 0021000	Red	612825174394
6220UL 002500	Red	612825174400
6220UL 002C500	Red	
6220UL 002U1000	Red	612825174387
6220UL 007U1000	Violet	612825174455

6220UL 004C500	Yellow	612825174431
6220UL 004U1000	Yellow	612825174448

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.222 Revision Date: 05-11-2020
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