



Product: [6320UL](#)

Fire Alarm, #18-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 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

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	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®	0.144 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

31 pF/ft

Inductance

Nominal Inductance
0.15 µH/ft

Current

Max. Recommended Current [A]
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:	16 lbs/1000ft
Max Recommended Pulling Tension:	39.2 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLP
Other Specification:	California State Fire Marshall

Applicable Environmental and Other Programs

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:	5320UL
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Variants

Item #	Color	UPC
6320UL 0101000	Black	612825175919
6320UL 010C500	Black	612825175896
6320UL 010U1000	Black	612825175902
6320UL D15C500	Blue	612825175766
6320UL 0051000	Green, Dark	612825175841
6320UL 005U1000	Green, Dark	612825175834
6320UL 0031000	Orange	612825175810
6320UL 003U1000	Orange	612825175803
6320UL 012U1000	Pink	612825175926
6320UL 0021000	Red	612825175797
6320UL 002U1000	Red	612825175773
6320UL 002U500	Red	612825175780
6320UL 007C500	Violet	612825175858
6320UL 007U1000	Violet	612825175865
6320UL 009C500	White	612825175872

6320UL 009U1000	White	612825175889
6320UL 004U1000	Yellow	612825175827

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.214 Revision Date: 05-11-2020
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