



Product: [6328UL](#)

Fire Alarm, #18-10c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 10-18 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

AWG	Stranding	Material	No. of Conductors
18	Solid	BC - Bare Copper	10

Conductor Count:	10
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Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.01 in

Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow
7	Purple
8	Green
9	Red/Black
10	Red/White

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.272 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
2.5 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

6.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

29 pF/ft

Current

Max. Recommended Current [A]

3.5 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:	73.5 lbs/1000ft
Max. Pull Tension:	196 lbs
Min Bend Radius/Minor Axis:	2.75 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:	5328UL
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Variants

Item #	Color	UPC
6328UL 0021000	Red	612825176039

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.222 Revision Date: 06-24-2020
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