



Product: [6302UL](#) 

Fire Alarm, #18-4c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 4-18 AWG stranded 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	7x26	BC - Bare Copper	4

Conductor Count:	4
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Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.009 in

Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Outer Shield

Material
No Shield

Outer Jacket

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.185 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
28.25 pF/ft

Current

Max. Recommended Current [A]
6.4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temperature Range:	0°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Maximum Recommended Pulling Tension:	89.5 lbs
Minimum Minor Axis Bend Radius:	1.875 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLP

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	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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Related Part Numbers

Non-Plenum Number:	5302UL
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Variants

Item #	Color	UPC
6302UL 002U1000	Red	612825175421

History

Update and Revision:	Revision Number: 0.167 Revision Date: 05-05-2023
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