Product: 6320UJ

Fire Alarm, #18-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG solid bare copper conductors with FEP insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Addressable Systems, Circuits: Audio, Control, Initiating, Notification

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene	0.015 in (0.38 mm)	0.059 in (1.5 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.154 in (3.91 mm)	Yes

Overall Cable Diameter (Nominal):	0.154 in (3.91 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Max. Current
6.78 Ohm/1000ft	16 pF/ft (52 pF/m)	100 Ohm	5 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.10 in (27.9 mm)	1.10 in

Max. Pull Tension:	40 lbs (18 kg)
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910)
NEC / UL Compliance:	Article 760, FPLP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall
Non-Plenum Number:	5320UJ

Product Notes

Notes:	Teflon® is a trademark of DuPont.

History

Update and Revision:	Revision Number: 0.457 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	UPC
6320UJ 0021000	Red	612825175759

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