



Product: [5320UJ](#)

Fire Alarm, #18-2c BC, FPL

Product Description

Fire Alarm Cable, Rated-FPL, 2-18 AWG solid bare copper conductors with foam polyolefin insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Addressable Systems, 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)	PE - Polyethylene (Foam)	Datalene®	0.015 in

Color Chart

Color
Black
Red

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.206 in	0.033 in	Yes

Construction and Dimensions

Cabling

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
13 pF/ft

Inductance

Nominal Inductance

0.18 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:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	20.5 lbs/1000ft
Max Recommended Pulling Tension:	39.2 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPL

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):	2004-01-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6320UJ

Part Number

Variants

Item #	Color	UPC
5320UJ 002U1000	Red	612825160441
5320UJ 002A1000	Red	

History

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