



**Product:** [5320UJ](#) 

Fire Alarm, #18-2c BC, FPL

## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	Fire Alarm, Addressable Systems, Circuits: Audio, Control, Initiating, Notification
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### 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	Notes
Conductor(s)	PE - Polyethylene (Foam)	0.015 in (0.38 mm)	0.070 in (1.8 mm)	Black, Red	HDPE

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.206 in (5.23 mm)	Yes

Overall Cable Diameter (Nominal):	0.206 in (5.23 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	6.4 Ohm/1000ft	13 pF/ft (43 pF/m)	0.18 $\mu$ H/ft (0.59 $\mu$ H/m)	14 Amps per conductor @ 25°C

#### Voltage

UL Voltage Rating
300 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

#### Bend Radius

Stationary Min.	Installation Min.
1.64 in (41.7 mm)	1.64 in (41.7 mm)

Max. Pull Tension:	39.2 lbs (17.8 kg)
Bulk Cable Weight:	20 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL 1685 UL loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPL
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark
Plenum Number:	6320UJ

## History

Update and Revision:	Revision Number: 0.436 Revision Date: 09-07-2025
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## Part Numbers

### Variants

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

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