



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
------------------------	---

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)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	6.4 Ohm/1000ft	13 pF/ft (43 pF/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: 0.435 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

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

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.