



**Product:** [5020UL](#)

Fire Alarm, #12-2c BC, FPLR

### Product Description

Fire Alarm Cable, Riser-FPLR, 2-12 AWG solid bare copper conductors with polypropylene insulation, PVC jacket with ripcord

### Technical Specifications

#### Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification
------------------------	-----------------------------------------------------------------------------------

#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	12 AWG	Solid	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.010 in (0.25 mm)	0.1015 in (2.578 mm)	Black, Red

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.239 in (6.07 mm)	Yes

Overall Cable Diameter (Nominal):	0.239 in (6.07 mm)
-----------------------------------	--------------------

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	1.53 Ohm/1000ft	25 pF/ft (82 pF/m)	30 Amps per conductor @ 30°C

##### Voltage

UL Voltage Rating
300 V (FPLR)

#### 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:	158 lbs (71.7 kg)
Bulk Cable Weight:	49 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4
NEC / UL Compliance:	Article 760, FPLR
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
Plenum Number:	6020UL

## History

Update and Revision:	Revision Number: 0.431 Revision Date: 02-03-2025
----------------------	--------------------------------------------------

## Part Numbers

### Variants

Item #	Color	UPC	Footnote
5020UL 0021000	Red	612825155911	C

© 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.