



**Product:** [5220UL](#)

Fire Alarm, #16-2c BC, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 2-16 AWG solid bare copper conductors with polyolefin insulation, PVC jacket with ripcord

## Technical Specifications

### Outer Shield Material

Material
No Shield

### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.166 in	0.017 in	Yes

## Construction and Dimensions

### Cabling

Lay Direction	Twists
Left Hand	4.4 twist/ft

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR
3.85 Ohm/1000ft

### Capacitance

Nom. Capacitance Conductor to Conductor
24 pF/ft

### Inductance

Nominal Inductance
0.145 $\mu$ H/ft

### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	6.3 Amps per Conductor at 25°C

### 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:	21 lbs/1000ft
--------------------	---------------

Max. Pull Tension:	62.4 lbs
Min Bend Radius/Minor Axis:	1.625 in

## Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
-----------------------	-----

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	6220UL

## Part Number

### Variants

Item #	Color	UPC
5220UL 0101000	Black	612825158448
5220UL D151000	Blue	612825158370
5220UL 0011000	Brown	612825158387
5220UL 0031000	Orange	612825158417
5220UL 0021000	Red	612825158394
5220UL 002500	Red	612825158400
5220UL 002U1000	Red	612825336662
5220UL 002A1000	Red	
5220UL 009U1000	White	612825158431
5220UL 0041000	Yellow	612825158424

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

## History

Update and Revision:	Revision Number: 0.300 Revision Date: 06-24-2020
----------------------	--

## Product Overview

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

## Physical Characteristics (Overall)

### Conductor

AWG	Stranding	Material	No. of Conductors
16	Solid	BC - Bare Copper	2

Conductor Count:	2
------------------	---

**Insulation**

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

**Color Chart**

Number	Color
1	Black
2	Red

© 2020 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.