



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

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	16	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.007 in (0.18 mm)	0.065 in (1.7 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.166 in (4.22 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.18 Ohm/1000ft	24 pF/ft (79 pF/m)	6.3 Amps per Conductor at 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.
1.32 in (33.5 mm)	1.32 in (33.5 mm)

Max. Pull Tension:	62.4 lbs (28.3 kg)
Bulk Cable Weight:	21 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
----------------------------	--------

Flammability / Reaction to Fire:	UL 1666 riser, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPLR
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6220UL

History

Update and Revision:	Revision Number: 0.512 Revision Date: 04-03-2023
----------------------	--

Part Numbers

Variants

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

© 2023 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.