

Part Number: 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 Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
------------------------	--

Physical Characteristics (Overall)

Conductor

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

Total Number of Conductors:	2
-----------------------------	---

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

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

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor
24 pF/ft

Construction and Dimensions

Conductor DCR

Nominal Conductor DCR
3.85 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
---------	------------------------------

10C Temperature Rise Per conductor @ 25°C: 6.3 A

Inductance

Nominal Inductance

0.145 µH/ft

Voltage

UL Voltage Rating

300V RMS

Applicable Standards & Environmental 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
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLR

Flame Test

CSA Flammability:	FT4
UL Flammability:	UL1666 Riser

Safety

UL Voltage Rating:	300 V RMS
--------------------	-----------

Suitability

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

Mechanical Characteristics

Operating Temp Range:	-20°C To +75°C
Bulk Cable Weight:	21(lbs/1000ft)
Max Recommended Pulling Tension:	62.4(lbs)
Min Bend Radius/Minor Axis:	1.625(in)

Temperature Range

UL Temp Rating:	75°C
-----------------	------

Plenum/Non-Plenum

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

History

Variants

Item #	Color
5220UL 0101000	BLACK

5220UL D151000	BLUE
5220UL 0011000	BROWN
5220UL 0031000	ORANGE
5220UL 0021000	RED
5220UL 002500	RED
5220UL 002U1000	RED
5220UL 009U1000	WHITE
5220UL 0041000	YELLOW

© 2017 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 EU RoHS(Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be instock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.