


**Product: [6220UL](#)**

Fire Alarm, #16-2c BC, FPLP

**Product Description**

Fire Alarm Cable, Plenum-FPLP, 2-16 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® 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 AWG	Solid	BC - Bare Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.067 in (1.7 mm)	Black, Red

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.166 in (4.22 mm)	Yes

Overall Cable Diameter (Nominal): 0.166 in (4.22 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	3.85 Ohm/1000ft	37 pF/ft (120 pF/m)	0.15 $\mu$ H/ft (0.49 $\mu$ H/m)	14.4 Amps per conductor @ 25°C

**Voltage**

UL Voltage Rating
300 V

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
75°C	0°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 lbs (28 kg)

Bulk Cable Weight: 22 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor - Plenum, Indoor
----------------------------	-------------------------

Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum)
NEC / UL Compliance:	Article 760, FPLP
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall
Non-Plenum Number:	5220UL

## History

Update and Revision: Revision Number: 0.431 Revision Date: 09-07-2025

## Part Numbers

### Variants

Item #	Color	UPC	Footnote
6220UL D15U1000	Blue	612825174370	
6220UL 001U1000	Brown		
6220UL 003C500	Orange	612825174417	
6220UL 003U1000	Orange	612825174424	
6220UL 0021000	Red	612825174394	C
6220UL 002500	Red	612825174400	
6220UL 002C500	Red		
6220UL 002U1000	Red	612825174387	
6220UL 007U1000	Violet	612825174455	
6220UL 004C500	Yellow	612825174431	
6220UL 004U1000	Yellow	612825174448	

Footnote: C - CRATE REEL PUT-UP.

© 2026 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.