BELDEN

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	Number of Element	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	Max. Current
Conductor(s)	3.85 Ohm/1000ft	37 pF/ft (120 pF/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: 0.397 Revision Date: 11-09-2022

Part Numbers

Variants

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