

Product: 6220FL

Fire Alarm, #16-2c BC, Shielded, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-16 AWG solid bare copper conductors with Flamarrest® insulation, overall Beldfoil® shield, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	16 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (Solid) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.178 in (4.52 mm)	Yes

Overall Cable Diameter (Nominal):	0.178 in (4.52 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	3.85 Ohm/1000ft (12.6 Ohm/km)	77 pF/ft (250 pF/m)	139 pF/ft (456 pF/m)	6.3 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (FPLP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.8 in (46 mm)	1.8 in (46 mm)

Max. Pull Tension:	76 lbs (34 kg)
Bulk Cable Weight:	26 lbs/1000ft (39 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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:	5220FL

History

Update and Revision:	Revision Number: 0.293 Revision Date: 02-08-2022

Part Numbers

Variants

Item #	Color	UPC
6220FL 0101000	Black	612825378303
6220FL 0101000	Black	612825378303
6220FL D151000	Blue	612825174349
6220FL 0021000	Red	612825174356
6220FL 002C500	Red	

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