



Product: [6222FL](#) 

Fire Alarm, #16-4c BC, Shielded, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 4-16 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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	16 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.071 in (1.8 mm)	Black, Red, Brown, Blue

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)	0.208 in	Yes

Overall Cable Diameter (Nominal):	0.208 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
4.18 Ohm/1000ft	43.5 pF/ft (143 pF/m)	78.3 pF/ft (257 pF/m)	5 Amps per Conductor at 25°C
Nom Outer Shield DCR:		16.7 Ohm/1000ft (54.8 Ohm/km)	

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.
3.12 in (79.2 mm)	3.12 in

Max. Pull Tension:	130 lbs (59 kg)
Bulk Cable Weight:	51 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910)
NEC / UL Compliance:	Article 760, FPLP
European Directive Compliance:	EU CE Mark, 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:	5222FL

History

Update and Revision:	Revision Number: 0.318 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6222FL 0021000	Red	612825174462	C

Footnote:	C - CRATE REEL PUT-UP.
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