



Product: [6320FL](#) 

Fire Alarm, #18-2c BC, Shielded, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 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)	2	18 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.0605 in (1.54 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)	0.155 in (3.94 mm)	Yes

Overall Cable Diameter (Nominal):	0.155 in (3.94 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	6.4 Ohm/1000ft	65 pF/ft (210 pF/m)	117 pF/ft (384 pF/m)	0.16 µH/ft (0.52 µH/m)	14 Amps per conductor @ 25°C
Nom Outer Shield DCR:		16.9 Ohm/1000ft (55.4 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.
2.32 in (58.9 mm)	2.32 in (58.9 mm)

Max. Pull Tension:	44 lbs (20 kg)
Bulk Cable Weight:	20 lbs/1000ft

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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall
Non-Plenum Number:	5320FL

History

Update and Revision:	Revision Number: 0.450 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6320FL 0101000	Black	612825175735	
6320FL D151000	Blue	612825350934	
6320FL 0051000	Green	612825350958	
6320FL 0021000	Red	612825175711	C
6320FL 002C500	Red		
6320FL 002U1000	Red	612825175704	
6320FL 009U1000	White	612825175728	
6320FL 0091000	White	612825350965	
6320FL 0041000	Yellow	612825350941	

Footnote:	C - CRATE REEL PUT-UP.
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