

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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	18 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)	0.155 in (3.94 mm)	Yes

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

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.4 Ohm/1000ft (21 Ohm/km)	65 pF/ft (210 pF/m)	117 pF/ft (384 pF/m)	5 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.
1.6 in (41 mm)	1.6 in (41 mm)

Max. Pull Tension:	53 lbs (24 kg)

Bulk Cable Weight:	20 lbs/1000ft (30 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:	5320FL

History

Update and Revision:	Revision Number: 0.296 Revision Date: 02-08-2022

Part Numbers

Variants

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

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