



Product: [6320FL](#)

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

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG solid bare copper conductors with FEP 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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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	Solid	BC - Bare Copper	2

Conductor Count:	2
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Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.01 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.155 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	16.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
65 pF/ft	117 pF/ft

Inductance

Nominal Inductance
0.16 µH/ft

Current

Max. Recommended Current [A]
Per conductor @ 25°C: 5 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	20.7 lbs/1000ft
Max Recommended Pulling Tension:	53.2 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	FPLP
CPR Euroclass:	Eca
Other Specification:	California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5320FL
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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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.236 Revision Date: 05-11-2020
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