



Product: [5322FJ](#)

Fire Alarm, #18-4c BC, Shielded, FPL

Product Description
Fire Alarm Cable, Rated-FPL, 4-18 AWG solid bare copper conductors with foam polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Addressable Systems, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
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Construction Details

Conductor				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	Solid	BC - Bare Copper

Insulation				
Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene (Foam)	0.015 in (0.38 mm)	0.070 in (1.8 mm)	Black, Red, Brown, Blue

Outer Shield			
Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket			
Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.24 in	Yes

Overall Cable Diameter (Nominal):	0.24 in
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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	20 pF/ft (66 pF/m)	36 pF/ft (120 pF/m)	4 Amps per Conductor at 25°C

Voltage	
UL Voltage Rating	
300 V	

Mechanical Characteristics

Temperature	
UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius	
Stationary Min.	Installation Min.
3.6 in (91 mm)	3.6 in

Max. Pull Tension:	92.4 lbs (41.9 kg)
Bulk Cable Weight:	39 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 760, FPL
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)
Plenum Number:	6322FJ

History

Update and Revision:	Revision Number: 0.320 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC
5322FJ 0021000	Red	612825160595

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