



Product: [5222FN](#) 

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

Product Description

Fire Alarm Cable, Rated-NPLF, 4-16 AWG solid bare copper conductors with PVC/nylon insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Non-Power Limited, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
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Construction Details

Conductor

Size	Stranding	Material
16	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in (0.53 mm)	Black, Red, Brown, Blue

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.315 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
3.93 Ohm/1000ft (12.9 Ohm/km)	33 pF/ft (110 pF/m)	59.3 pF/ft (195 pF/m)	5 Amps per Conductor at 25°C
Nom Outer Shield DCR:	15.25 Ohm/1000ft (50.03 Ohm/km)		

Voltage

UL Voltage Rating
150 V RMS

Mechanical Characteristics

Temperature

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

Max. Pull Tension:	138.8 lbs (62.96 kg)
Bulk Cable Weight:	69.7 lbs/1000ft (104 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 760, NPLF
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)

History

Update and Revision:	Revision Number: 0.314 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC
5222FN 0021000	Red	612825158547

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