BELDEN

Product: [5120FN](#) ↗

Fire Alarm, #14-2c BC, Shielded, NPLF

Product Description

Fire Alarm Cable, Rated-NPLF, 2-14 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	14 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in (0.53 mm)	0.108 in (2.74 mm)	Black, Red

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	0.042 in (1.1 mm)	0.303 in	Yes

Overall Cable Diameter (Nominal):	0.303 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
2.67 Ohm/1000ft	29.5 pF/ft (96.8 pF/m)	53.1 pF/ft (174 pF/m)	8 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
150 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
4.54 in (115 mm)	4.54 in

Max. Pull Tension:	113 lbs (51.3 kg)
Bulk Cable Weight:	56 lbs/1000ft

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: 0.316 Revision Date: 02-15-2024

Part Numbers

Variants

Item #	Color	UPC
5120FN 0021000	Red	612825156949
5120FN 002500	Red	612825156956

Mouser Electronics

Authorized Distributor

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