BELDEN

Product: 6122FL ⧉

Fire Alarm, #14-4c BC, Shielded, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 4-14 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	No. of Elements	Size	Stranding	Material
Conductor(s)	4	14 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.012 in (0.30 mm)	0.089 in (2.3 mm)	Black, Red, Brown, Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (Solid) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.245 in	Yes

Overall Cable Diameter (Nominal):	0.245 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
2.43 Ohm/1000ft	46 pF/ft (150 pF/m)	82.8 pF/ft (272 pF/m)	6.4 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
3.67 in (93.2 mm)	3.67 in

Max. Pull Tension:	207 lbs (93.9 kg)
Bulk Cable Weight:	73 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910)
NEC / UL Compliance:	Article 760, FPLP
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)
Other Standard Compliance(s):	California State Fire Marshall
Non-Plenum Number:	5122FL

History

Update and Revision:	Revision Number: 0.315 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
6122FL 0021000	Red	612825173793	C

Mouser Electronics

Authorized Distributor

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