BELDEN

Product: 5102FL 🔗

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

Product Description

Fire Alarm Cable, Riser-FPLR, 4-14 AWG stranded bare copper conductors with polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	4	14 AWG	19x27	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.011 in (0.28 mm)	0.092 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	0.017 in (0.43 mm)	0.26 in	Yes

Overall Cable Diameter (Nominal):	0.26 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 pF/ft (170 pF/m)	6.4 Amps per Conductor at 25ºC

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.
3.9 in (99 mm)	3.9 in

Max. Pull Tension:	198 lbs (89.8 kg)
Bulk Cable Weight:	65 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1666 Riser
NEC / UL Compliance:	Article 760, FPLR
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:	6102FL

History

Update and Revision:	Revision Number: 0.318 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	UPC
5102FL 002U1000	Red	612825156666