



Product: [5122FL](#)

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

Product Description

Fire Alarm Cable, Riser-FPLR, 4-14 AWG solid bare copper conductors with PVC 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
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
14	Solid	BC - Bare Copper	4
Conductor Count:		4	

Insulation	
Material	Nominal Wall Thickness
PP - Polypropylene	0.01 in

Color Chart	
Number	Color
1	Black
2	Red
3	Brown
4	Blue

Outer Shield					
Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	7x28

Outer Jacket			
Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.244 in	0.017 in	Yes

Construction and Dimensions

Cabling	
Twists	
3.4 twist/ft	

Electrical Characteristics

Conductor DCR	
Max. Conductor DCR	Nominal Conductor DCR
69 Ohm/km	2.43 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	55.9 pF/ft

Current

Max. Recommended Current [A]
6.4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temperature Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	64 lbs/1000ft
Maximum Recommended Pulling Tension:	212.8 lbs
Minimum Minor Axis Bend Radius:	2.5 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
Other Specification:	California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6122FL

Related Part Numbers

Variants

Item #	Color	UPC
5122FL 0021000	Red	612825157038

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.332 Revision Date: 02-03-2025
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regulations based on their individual usage of the product.