



**Product:** [5120FL](#) 

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

## Product Description

Fire Alarm Cable, Riser-FPLR, 2-14 AWG solid bare copper conductors with polypropylene 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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### 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)	PP - Polypropylene	0.010 in (0.25 mm)	0.845 in (21.5 mm)	Black, Red

#### 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)	0.209 in (5.31 mm)	Yes

Overall Cable Diameter (Nominal):	0.209 in (5.31 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	2.43 Ohm/1000ft	60 pF/ft (200 pF/m)	108 pF/ft (354 pF/m)	0.15 μH/ft (0.49 μH/m)	25 Amps per conductor @ 30°C

Nom Outer Shield DCR@Cond DCR1-cnvc:	11.2 Ohm/1000ft (36.7 Ohm/km)
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#### Voltage

UL Voltage Rating
300 V (FPLR)

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Stationary Min.	Installation Min.
3.075 in (78.11 mm)	3.075 in (78.11 mm)

Max. Pull Tension:	206.6 lbs (93.71 kg)
Bulk Cable Weight:	36 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPLR
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall
Plenum Number:	6120FL

## History

Update and Revision:	Revision Number: 0.451 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
5120FL D151000	Blue	612825156918	
5120FL 0021000	Red	612825156925	C

Footnote:	C - CRATE REEL PUT-UP.
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