



**Product:** [5302FL](#) 

Fire Alarm, #18-4c BC, Shielded, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 4-18 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
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	7x26	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.062 in (1.6 mm)	Black, Red, Brown, Blue

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.188 in	Yes

Overall Cable Diameter (Nominal):	0.188 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.5 Ohm/1000ft	27 pF/ft (89 pF/m)	48.5 pF/ft (159 pF/m)	4 Amps per Conductor at 25°C
Nom Outer Shield DCR@Cond DCR1-cnvt:		16 Ohm/1000ft (52 Ohm/km)		

#### 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.
2.82 in (71.6 mm)	2.82 in

Max. Pull Tension:	95 lbs (43 kg)
Bulk Cable Weight:	30 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6302FL

History

Update and Revision:	Revision Number: 0.319 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC
5302FL 002U1000	Red	612825159568

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