



Product: [5522FL](#)

Fire Alarm, #22-4c BC, Shielded, FPLR

**Product Description**

Fire Alarm Cable, Riser-FPLR, 4-22 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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**Construction Details**

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.007 in (0.18 mm)	0.040 in (1.0 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)	0.131 in	Yes

Overall Cable Diameter (Nominal):	0.131 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)	18.4 Ohm/1000ft	24.5 pF/ft (80.4 pF/m)	44.1 pF/ft (145 pF/m)	2.2 Amps per Conductor at 25°C

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.
1.96 in (49.8 mm)	1.96 in

Max. Pull Tension:	39 lbs (18 kg)
Bulk Cable Weight:	16 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)
Other Standard Compliance(s):	California State Fire Marshall
Plenum Number:	6522FL

History

Update and Revision:	Revision Number: 0.317 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC
5522FL 0021000	Red	612825164128
5522FL 002U1000	Red	612825164111

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