



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)	Nom. Inductance	Max. Current
Conductor(s)	18.4 Ohm/1000ft	24.5 pF/ft (80.4 pF/m)	44.1 pF/ft (145 pF/m)	0.167 µH/ft (0.548 µH/m)	2.2 Amps per Conductor at 25°C
Nom Outer Shield DCR:		11.9 Ohm/1000ft (39.0 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.
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:	UL 1666 Riser
NEC / UL Compliance:	Article 760, FPLR
CEC / C(UL) Compliance:	.
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: 0.319 Revision Date: 09-07-2025
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Part Numbers

Variants

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

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