



Product: [5524UL](#)

Fire Alarm, #22-6c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 6-22 AWG solid bare copper conductors with PVC insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	Solid	BC - Bare Copper	6

Conductor Count:	6
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

Color Chart

Number	Color
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.168 in	0.015 in	Yes

Construction and Dimensions

Cabling

Twists
4.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
18.5 pF/ft

Current

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	20.7 lbs/1000ft
Max. Pull Tension:	46.8 lbs
Min. Bend Radius/Minor Axis:	1.5 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, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6524UL

Related Part Numbers

Variants

Item #	Color	UPC
5524UL 002U1000	Red	612825164203

History

Update and Revision:	Revision Number: 0.303 Revision Date: 02-03-2025
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