



Product: [6524UL](#)

Fire Alarm, #22-6c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP,6-22 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® 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	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.009 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	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.162 in	0.015 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
25 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: 0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight: 20.8 lbs/1000ft

Max. Pull Tension: 46.8 lbs

Min. Bend Radius/Minor Axis: 1.6 in

Standards

NEC Articles: Article 760

NEC/(UL) Compliance: FPLP

Other Specification: California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

MII Order #39 (China RoHS): Yes

Flammability, LS0H, Toxicity Testing

UL Flammability: NFPA 262 Plenum Flame Test (UL910)

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Yes

Related Part Numbers

Non-Plenum Number: 5524UL

Variants

Item #	Color	UPC
6524UL 002C500	Red	612825178194

History

Update and Revision: Revision Number: 0.297 Revision Date: 05-05-2023

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