

Part Number: 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 Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	6
Conductor Size:	22 AWG

Insulation

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke 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

Material
Unshielded

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke 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

Shielding:	Unshielded
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Current

Max. Recommended Current [A]

2 Amps per conductor @ 25°C A

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	20.8 lbs/1000ft
Max Recommended Pulling Tension:	46.8 lbs
Min Bend Radius/Minor Axis:	1.6 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	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
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	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
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Part Number

Non-Plenum Number:	5524UL
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Variants

Item #	Color
6524UL 002C500	Red

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