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

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 25ºC

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: 0.298 Revision Date: 02-03-2025

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	6

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

Mouser Electronics

Authorized Distributor

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[Belden Wire & Cable]():

[6524UL 002C500]()