

6522UL Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 4-22 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Usage (Overall)**Suitable Applications:**

Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
4	22	Solid	BC - Bare Copper

Total Number of Conductors:

4

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord:

Yes

Overall Cable**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Overall Nominal Diameter:

3.454 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 22.025 Kg/Km

Max. Recommended Pulling Tension: 138.784 N

Min. Bend Radius/Minor Axis: 33.020 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: FPLP

NEC Articles: 760

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

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

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

Other Specification: California State Fire Marshall

Flame Test

UL Flame Test: NFPA 262

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5522UL

Electrical Characteristics (Overall)

Max. Capacitance Conductor to Conductor:

Capacitance (pF/m)

82.025

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

51.5117

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C (10°C rise in temp)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6522UL 002U1000	1,000 FT	18.000 LB	RED		4 #22 FLRST FLRST
6522UL 0021000	1,000 FT	16.000 LB	RED		4 #22 FLRST FLRST

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