

## 6321UL Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 3-18 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
3	18	Solid	BC - Bare Copper

Total Number of Conductors:

3

**Insulation**

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.010

**Outer Shield**

Outer Shield Material:

Outer Shield Material
Unshielded

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord:

Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
3	4.0

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Brown

Overall Nominal Diameter:

0.160 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 22.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 58.800 lbs.

Min. Bend Radius/Minor Axis: 1.600 in.

**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

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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
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## Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5321UL

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

29

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6321UL 0021000	1,000 FT	25.000 LB	RED		3 #18 FLRST FLRST

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