

## 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 (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.254

**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 Lay Length & Direction:**

Length (mm)	Twists (twist/m)
76.1997	13.124

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Brown

**Overall Nominal Diameter:**

4.064 mm

**Mechanical Characteristics (Overall)****Operating Temperature Range:**

0°C To +75°C

**UL Temperature Rating:**

75°C

**Bulk Cable Weight:**

33.782 Kg/Km

**Max. Recommended Pulling Tension:**

261.554 N

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Min. Bend Radius/Minor Axis:	40.640 mm
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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	FPLP
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NEC Articles:	760
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Other Specification:	California State Fire Marshall
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## Flame Test

UL Flame Test:	NFPA 262
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## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	5321UL
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## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
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95.149
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## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
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20.9984
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## Max. Operating Voltage - UL:

Voltage
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300 V RMS
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## Max. Recommended Current:

Current
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5 Amps per conductor @ 25°C
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## 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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