

## 6301UL Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 3-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

**Usage (Overall)**

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

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	18	7x26	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	0.009

**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)
2.750	4.400

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Brown

**Overall Nominal Diameter:** 0.168 in.

**Mechanical Characteristics (Overall)**

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

**Bulk Cable Weight:** 23 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 67 lbs.

**Min. Bend Radius/Minor Axis:** 1.625 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

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

## 6301UL Multi-Conductor - Commercial Applications

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2009
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flame Test

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

Plenum (Y/N):	Yes
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## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

28.250

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.500

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

8.0 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6301UL 002U1000	1,000 FT	25.000 LB	RED		3 #18 FLRST FLRST

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