

## 6321UL Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

18 AWG bare copper conductors, Flamarrest® insulation, cabled together, Flamarrest® jacket with ripcord, shielded version has overall Beldfoil® shield tape (foil side out) and drain wire, sequential footage marking every two feet.

**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

**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 (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.

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Min. Bend Radius (Install)/Minor Axis: 1.600 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC(UL) Specification: FPLP

NEC Articles: 760

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 &amp; Cable): Yes

MII 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: 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

## Related Documents:

No related documents are available for this product

## 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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