

6100UL Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 2-14 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
2	14	19x27	BC - Bare Copper

Total Number of Conductors:

2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.011

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)
3.500	3.400

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.214 in.

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 95 lbs.

Min. Bend Radius/Minor Axis: 2.125 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

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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
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	NFPA 262
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5100UL

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

32.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.500

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

14 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6100UL 002U1000	1,000 FT	36.000 LB	RED		2 #14 FLRST FLRST
6100UL 0021000	1,000 FT	37.000 LB	RED	C	2 #14 FLRST FLRST

Notes:

C = CRATE REEL PUT-UP.

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