

## 6120UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 2-14 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
2	14	Solid	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	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)
3.25	3.7

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 0.201 in.

**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	0°C To +75°C
<b>UL Temperature Rating:</b>	75°C
<b>Bulk Cable Weight:</b>	35 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	99,400 lbs.
<b>Min. Bend Radius/Minor Axis:</b>	2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

<b>NEC/(UL) Specification:</b>	FPLP
<b>NEC Articles:</b>	760
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

Other Specification: California State Fire Marshall

**Flame Test**

UL Flame Test: NFPA 262

**Suitability**

Suitability - Indoor: Yes

**Plenum/Non-Plenum**

Non-Plenum Number: 5120UL

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

37.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

2.43

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Description	Current
10C Temperature Rise	8 Amps per conductor @ 25°C ambient

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6120UL D151000	1,000 FT	37.000 LB	BLUE	C	2 #14 FLRST FLRST
6120UL 0011000	1,000 FT	37.000 LB	BROWN		2 #14 FLRST FLRST
6120UL 0021000	1,000 FT	37.000 LB	RED	C	2 #14 FLRST FLRST
6120UL 002500	500 FT	18.500 LB	RED		2 #14 FLRST FLRST
6120UL 0101000	1,000 FT	37.000 LB	BLACK		2 #14 FLRST FLRST

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-12-2013

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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