

## 6220UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Plenum-FPLP, 2-16 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	16	Solid	BC - Bare Copper

**Total Number of Conductors:** 2

#### Insulation

**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.203

#### 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)
69.849725	14.4364

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 4.216 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 34.973 Kg/Km

**Max. Recommended Pulling Tension:** 277.568 N

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Min. Bend Radius/Minor Axis: 41.275 mm

### 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
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 & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	California State Fire Marshall

#### Flame Test

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

Plenum (Y/N):	Yes
Non-Plenum Number:	5220UL

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.49215

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
121.397

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
12.6319

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
6.3 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6220UL D15U1000	305 MT	10.433 KG	BLUE		2 #16 FLRST FLRST
6220UL 001U1000	305 MT	10.433 KG	BROWN		2 #16 FLRST FLRST
6220UL 002U1000	305 MT	10.433 KG	RED		2 #16 FLRST FLRST
6220UL 0021000	305 MT	10.886 KG	RED	C	2 #16 FLRST FLRST
6220UL 002500	152 MT	5.443 KG	RED		2 #16 FLRST FLRST
6220UL 003C500	152 MT	4.990 KG	ORANGE		2 #16 FLRST FLRST
6220UL 003U1000	305 MT	10.433 KG	ORANGE		2 #16 FLRST FLRST
6220UL 004C500	152 MT	4.990 KG	YELLOW		2 #16 FLRST FLRST
6220UL 004U1000	305 MT	10.433 KG	YELLOW		2 #16 FLRST FLRST

## METRIC MEASUREMENT VERSION

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6220UL 007U1000	305 MT	10.433 KG	VIOLET		2 #16 FLRST FLRST
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**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 03-13-2013

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