

## 6222UL Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Plenum-FPLP, 4-16 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 |
|--------------|-----|-----------|--------------------|
| 4            | 16  | Solid     | BC - Bare Copper   |

Total Number of Conductors: 4

**Insulation**

Insulation Material:

| Insulation Trade Name | Insulation Material                   | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | 0.008                |

**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   |
| 3      | Brown |
| 4      | Blue  |

Overall Nominal Diameter: 0.194 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 43.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 124.800 lbs.

Min. Bend Radius/Minor Axis: 2 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

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|                                       |                                |
|---------------------------------------|--------------------------------|
| 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                            |
| MIL 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: | 5222UL |

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

37.000

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.85

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc         |
|----------------|----------|-------------|-------|-------|-------------------|
| 6222UL 0021000 | 1,000 FT | 43.000 LB   | RED   | C     | 4 #16 FLRST FLRST |
| 6222UL 002500  | 500 FT   | 22.000 LB   | RED   | C     | 4 #16 FLRST FLRST |

## Notes:

C = CRATE REEL PUT-UP.

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#### Как с нами связаться

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