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please call

1-800-Belden1



### General Description:

Fire Alarm Cable, Riser-FPLR, 4-18 AWG solid bare copper conductors with polyolefin insulation, PVC 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 |
|--------------|-----|-----------|--------------------|
| 4            | 18  | Solid     | BC - Bare Copper   |

**Total Number of Conductors:** 4

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.007                |

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.017                     |

**Outer Jacket Ripcord:** Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (twist/ft) |
|--------------|-------------------|
| 4            | 3                 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |
| 3      | Brown |
| 4      | Blue  |

**Overall Nominal Diameter:** 0.166 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 28.200 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 78.400 lbs.

**Min. Bend Radius/Minor Axis:** 1.625 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** FPLR

**NEC Articles:** 760

**EU Directive 2011/65/EU (ROHS II):** Yes

## 5322UL Multi-Conductor - Commercial Applications

|                                       |                                |
|---------------------------------------|--------------------------------|
| 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:  | UL1666 Vertical Shaft |
| CSA Flame Test: | FT4                   |

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6322UL |

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

##### Capacitance (pF/ft)

22.000

#### Nom. Conductor DC Resistance:

##### DCR @ 20°C (Ohm/1000 ft)

6.4

#### Max. Operating Voltage - UL:

##### Voltage

300 V RMS

#### Max. Recommended Current:

##### Current

4 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc      |
|-----------------|----------|-------------|-------|-------|----------------|
| 5322UL 002U1000 | 1,000 FT | 28.000 LB   | RED   |       | 4 #18 PP FRPVC |
| 5322UL 002U500  | 500 FT   | 14.500 LB   | RED   |       | 4 #18 PP FRPVC |
| 5322UL 0021000  | 1,000 FT | 28.000 LB   | RED   | C     | 4 #18 PP FRPVC |

#### Notes:

C = CRATE REEL PUT-UP.

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