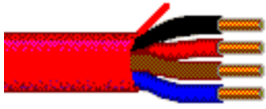


**Part Number: 5322UL**



**Fire Alarm, #18-4c BC, FPLR**

## Product Description

Fire Alarm Cable, Riser-FPLR, 4-18 AWG solid bare copper conductors with polyolefin insulation, PVC jacket with ripcord

## Technical Specifications

### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Fire Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits |
|------------------------|--|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18  | Solid     | BC - Bare Copper | 4                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 18 AWG |

#### Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.007 in               |

#### Color Chart

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

#### Outer Shield Material

| Material   |
|------------|
| Unshielded |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.166 in         | 0.017 in               | Yes     |

### Construction and Dimensions

#### Cabling

| Twists     |
|------------|
| 3 twist/ft |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.4 Ohm/1000ft        |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
|---|

|          |
|----------|
| 22 pF/ft |
|----------|

|            |            |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

#### Current

##### Max. Recommended Current [A]

|                               |
|-------------------------------|
| 4 Amps per conductor @ 25°C A |
|-------------------------------|

#### Voltage

##### UL Voltage Rating

|           |
|-----------|
| 300 V RMS |
|-----------|

### Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 75°C           |
| Operating Temp Range: | -20°C To +75°C |

### Mechanical Characteristics

|                                  |                 |
|----------------------------------|-----------------|
| Bulk Cable Weight:               | 28.2 lbs/1000ft |
| Max Recommended Pulling Tension: | 78.4 lbs        |
| Min Bend Radius/Minor Axis:      | 1.625 in        |

### Standards

|                         |                                |
|-------------------------|--------------------------------|
| NEC Articles:           | 760                            |
| NEC/(UL) Specification: | FPLR                           |
| Other Specification:    | California State Fire Marshall |

### Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

### Flammability, LSOH, Toxicity Testing

|                    |              |
|--------------------|--------------|
| UL Flammability:   | UL1666 Riser |
| CSA Flammability:  | FT4          |
| UL voltage rating: | 300 V RMS    |

### Plenum/Non-Plenum

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

### Part Number

#### Variants

| Item #          | Color | Footnote |
|-----------------|-------|----------|
| 5322UL 0021000  | Red   | C        |
| 5322UL 002U1000 | Red   |          |
| 5322UL 002U500  | Red   |          |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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