



**Product:** [5122UL](#)

Fire Alarm, #14-4c BC, FPLR

### Product Description

Fire Alarm Cable, Riser-FPLR, 4-14 AWG solid bare copper conductors with polyolefin insulation, PVC jacket with ripcord

### Technical Specifications

#### Product Overview

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

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material         | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 14  | Solid     | BC - Bare Copper | 4                 |

|                  |   |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

##### Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.01 in                |

##### Color Chart

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

##### Outer Shield Material

| Material  |
|-----------|
| No Shield |

##### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.24 in          | 0.017 in               | Yes     |

#### Construction and Dimensions

##### Cabling

| Twists       |
|--------------|
| 2.8 twist/ft |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 2.43 Ohm/1000ft       |

##### Capacitance

|  |
|--|
| <b>Nom. Capacitance Conductor to Conductor</b> |
| 23 pF/ft                                       |

#### Current

|                                     |
|-------------------------------------|
| <b>Max. Recommended Current [A]</b> |
| 6.4 Amps per Conductor at 25°C      |

#### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V RMS                |

#### Temperature Range

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

#### Mechanical Characteristics

|                             |                 |
|-----------------------------|-----------------|
| Bulk Cable Weight:          | 66.4 lbs/1000ft |
| Max. Pull Tension:          | 198.8 lbs       |
| Min Bend Radius/Minor Axis: | 2.375 in        |

#### Standards

|                      |                                |
|----------------------|--------------------------------|
| NEC Articles:        | Article 760                    |
| NEC/(UL) Compliance: | FPLR                           |
| Other Compliance:    | 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                    |
| MII Order #39 (China RoHS):           | Yes                           |

#### Flammability, LS0H, Toxicity Testing

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

#### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6122UL |

#### Part Number

#### Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 5122UL 0021000 | Red   | 612825157083 |

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

#### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.224 Revision Date: 06-24-2020 |
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