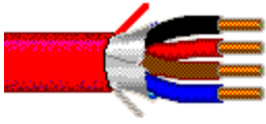


**Part Number: 5122FL**



**Fire Alarm, #14-4c BC, Shielded, FPLR**

## Product Description

Fire Alarm Cable, Riser-FPLR, 4-14 AWG solid bare copper conductors with PVC insulation, overall Beldfoil® shield, PVC jacket with ripcord

## Technical Specifications

### Product Overview

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

### Physical Characteristics (Overall)

#### Conductor

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

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 14 AWG |

#### 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           | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Aluminum/Polyester | Beldfoil®           | 100 %        | TC - Tinned Copper | 22            | 7x28 mm                      |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.244 in         | 0.017 in               | Yes     |

## Construction and Dimensions

#### Cabling

| Twists       |
|--------------|
| 3.4 twist/ft |

## Electrical Characteristics

#### Conductor DCR

| Max. Conductor DCR | Nominal Conductor DCR |
|--------------------|-----------------------|
| 69 Ohm/km          | 2.43 Ohm/1000ft       |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
|   |   |

|          |            |
|----------|------------|
| 31 pF/ft | 55.9 pF/ft |
|----------|------------|

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

#### Current

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

6.4 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:               | 64 lbs/1000ft |
| Max Recommended Pulling Tension: | 212.8 lbs     |
| Min Bend Radius/Minor Axis:      | 2.5 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: | 6122FL |

### Part Number

#### Variants

| Item #         | Color | Footnote |
|----------------|-------|----------|
| 5122FL 0021000 | Red   | C        |

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

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