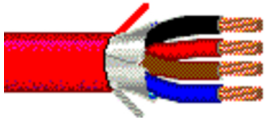


**Part Number: 5502FL**



**Fire Alarm, #22-4c BC, Shielded, FPLR**

## Product Description

Fire Alarm Cable, Riser-FPLR, 4-22 AWG stranded bare copper conductors with polyolefin insulation, overall Beldfoil® shield, 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 |
|-----|-----------|------------------|-------------------|
| 22  | 7x30      | BC - Bare Copper | 4                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 22 AWG |

#### Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.008 in               |

#### Color Chart

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

#### Outer Shield Material

| Type | Material           | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil®           | 100 %        | TC - Tinned Copper | 24            | Solid                        |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.146 in         | 0.017 in               | Yes     |

## Construction and Dimensions

### Cabling

|              |
|--------------|
| Twists       |
| 6.9 twist/ft |

|               |   |
|---------------|---|
| Print Legend: | NEW GENERATION(R) BY BELDEN 5502FL FPLR 75C 4C22 SHIELDED (UL) E64959----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET |
|---------------|---|

## Electrical Characteristics

### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 16.4 Ohm/1000ft       | 16.75 Ohm/1000ft         |

### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 22.5 pF/ft                              | 40.5 pF/ft  |

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

#### 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:               | 15 lbs/1000ft |
| Max Recommended Pulling Tension: | 36.5 lbs      |
| Min Bend Radius/Minor Axis:      | 1.5 in        |

#### Standards

|                         |      |
|-------------------------|------|
| NEC Articles:           | 760  |
| NEC/(UL) Specification: | FPLR |

#### 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): | 2009-10-01                    |
| 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: | 6502FL |

#### Part Number

#### Variants

| Item #          | Color |
|-----------------|-------|
| 5502FL 002U1000 | Red   |

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