



**Product:** [6302UL](#)

Fire Alarm, #18-4c BC, FPLP

## Product Description

Fire Alarm Cable, Plenum-FPLP, 4-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® 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 |
|-----|-----------|------------------|-------------------|
| 18  | 7x26      | BC - Bare Copper | 4                 |

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

#### Insulation

| Material                 | Material Trade Name | Nominal Wall Thickness |
|--------------------------|---------------------|------------------------|
| PVC - Polyvinyl Chloride | Flamarrest®         | 0.009 in               |

#### Color Chart

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

#### Outer Shield

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

#### Outer Jacket

| Material                 | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|---------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | Flamarrest®         | 0.185 in         | 0.015 in               | Yes     |

### Construction and Dimensions

#### Cabling

| Twists     |
|------------|
| 4 twist/ft |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.5 Ohm/1000ft        |

#### Capacitance

|  |
|--|
| <b>Nom. Capacitance Conductor to Conductor</b> |
| 28.25 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

|                              |              |
|------------------------------|--------------|
| Operating Temperature Range: | 0°C To +75°C |
|------------------------------|--------------|

#### Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 30 lbs/1000ft |
| Max. Pull Tension:           | 89.5 lbs      |
| Min. Bend Radius/Minor Axis: | 1.875 in      |

#### Standards

|                      |             |
|----------------------|-------------|
| NEC Articles:        | Article 760 |
| NEC/(UL) Compliance: | FPLP        |

#### 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 2): | Yes                           |
| EU Directive 2012/19/EU (WEEE):   | Yes                           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |
| MII Order #39 (China RoHS):       | Yes                           |

#### Flammability, LS0H, Toxicity Testing

|                    |                                    |
|--------------------|------------------------------------|
| UL Flammability:   | NFPA 262 Plenum Flame Test (UL910) |
| UL voltage rating: | 300 V RMS                          |

#### Plenum/Non-Plenum

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

#### Related Part Numbers

|                    |        |
|--------------------|--------|
| Non-Plenum Number: | 5302UL |
|--------------------|--------|

#### Variants

| Item #          | Color | UPC          |
|-----------------|-------|--------------|
| 6302UL 002U1000 | Red   | 612825175421 |

#### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.167 Revision Date: 05-05-2023 |
|----------------------|--|

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