



**Product:** [6222UL](#)

Fire Alarm, #16-4c BC, FPLP

### Product Description

Fire Alarm Cable, Plenum-FPLP, 4-16 AWG solid 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 |
|------------------------|---|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 4               | 16 AWG | Solid     | BC - Bare Copper |

##### Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code              |
|--------------|--------------------------|--------------------|--------------------------|-------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.008 in (0.20 mm) | 0.067 in (1.7 mm)        | Black, Red, Brown, Blue |

##### Outer Shield

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

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.194 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.194 in |
|-----------------------------------|----------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                 |
|--------------------|-------------------------------|------------------------------|
| 4.18 Ohm/1000ft    | 37 pF/ft (120 pF/m)           | 5 Amps per Conductor at 25°C |

##### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating    |
|----------------|--------------|
| 75°C           | 0°C To +75°C |

##### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.55 in (39.4 mm) | 1.55 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 124.8 lbs (56.61 kg) |
|--------------------|----------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 41 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor   |
| Flammability / Reaction to Fire: | NFPA 262 (UL910)   |
| NEC / UL Compliance:             | Article 760, FPLP  |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)  |
| Other Standard Compliance(s):    | California State Fire Marshall   |
| Non-Plenum Number:               | 5222UL   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.303 Revision Date: 05-05-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 6222UL 0021000 | Red   | 612825174479 | C        |
| 6222UL 002500  | Red   | 612825174486 | C        |

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