



**Product:** [6322UL](#) 

Fire Alarm, #18-4c BC, FPLP

## Product Description

Fire Alarm Cable, Plenum-FPLP, 4-18 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               | 18   | Solid     | BC - Bare Copper |

#### Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code              |
|--------------------------|--------------------|--------------------------|-------------------------|
| PVC - Polyvinyl Chloride | 0.008 in (0.20 mm) | 0.057 in (1.4 mm)        | Black, Red, Brown, Blue |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.166 in      | Yes     |

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                 |
|--------------------|-------------------------------|------------------------------|
| 6.65 Ohm/1000ft    | 33.5 pF/ft (110 pF/m)         | 4 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. |
|-------------------|-------------------|
| 1.32 in (33.5 mm) | 1.32 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 78.4 lbs (35.6 kg) |
| Bulk Cable Weight: | 28 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:             | 5322UL                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.309 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | UPC          | Footnote |
|-----------------|-------|--------------|----------|
| 6322UL 0021000  | Red   | 612825175995 | C        |
| 6322UL 002C500  | Red   | 612825175971 |          |
| 6322UL 002U1000 | Red   | 612825175988 |          |

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

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