



**Product:** [6324UL](#) 

Fire Alarm, #18-6c BC, FPLP

## Product Description

Fire Alarm Cable, Plenum-FPLP, 6-18 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) | 6               | 18 AWG | Solid     | BC - Bare Copper |

#### Insulation

| Element      | Material                 | Nom. Thickness    | Nom. Insulation Diameter | Color Code                              |
|--------------|--------------------------|-------------------|--------------------------|-----------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.061 in (1.5 mm)        | Black, Red, Brown, Blue, Orange, Yellow |

#### Outer Shield

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

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.211 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.211 in |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------------|-------------------------------|--------------------------------|
| 6.72 Ohm/1000ft    | 29 pF/ft (95 pF/m)            | 3.5 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. |
|-------------------|-------------------|
| 1.68 in (42.7 mm) | 1.68 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 117.6 lbs (53.34 kg) |
|--------------------|----------------------|

|                    |                 |
|--------------------|-----------------|
| Bulk Cable Weight: | 42.2 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:               | 5324UL                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.306 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | UPC          | Footnote |
|-----------------|-------|--------------|----------|
| 6324UL 0021000  | Red   | 612825176015 | C        |
| 6324UL 002U1000 | Red   | 612825176008 |          |
| 6324UL 002A1000 | Red   | 612825412960 |          |

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

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