



Product: [5222UL](#)

Fire Alarm, #16-4c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 4-16 AWG solid bare copper conductors with polyolefin insulation, PVC 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   | Solid     | BC - Bare Copper |

Insulation

| Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code              |
|--------------------|--------------------|--------------------------|-------------------------|
| PP - Polypropylene | 0.007 in (0.18 mm) | 0.065 in (1.7 mm)        | Black, Red, Brown, Blue |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.193 in      | Yes     |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                 |
|--------------------|-------------------------------|------------------------------|
| 4.18 Ohm/1000ft    | 23.5 pF/ft (77.1 pF/m)        | 5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C To +75°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.54 in (39.1 mm) | 1.54 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 124.8 lbs (56.61 kg) |
| Bulk Cable Weight: | 40 lbs/1000ft        |

Standards and Compliance

|                            |        |
|----------------------------|--------|
| Environmental Suitability: | Indoor |
|----------------------------|--------|

|                                  |  |
|----------------------------------|--|
| Flammability / Reaction to Fire: | UL 1666 riser  |
| NEC / UL Compliance:             | Article 760, FPLR  |
| 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   |
| Plenum Number:                   | 6222UL   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.310 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 5222UL 0021000 | Red   | 612825158561 | C        |

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