



Product: [5220UL](#) 

Fire Alarm, #16-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-16 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 |
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Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|------|-----------|------------------|
| Conductor(s) | 2 | 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 |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.166 in (4.22 mm) | Yes |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Inductance | Max. Current |
|--------------------|-------------------------------|--------------------------|--------------------------------|
| 4.18 Ohm/1000ft | 24 pF/ft (79 pF/m) | 0.145 µH/ft (0.476 µH/m) | 6.3 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. |
|-------------------|-------------------|
| 1.32 in (33.5 mm) | 1.32 in (33.5 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 62.4 lbs (28.3 kg) |
| Bulk Cable Weight: | 21 lbs/1000ft |

Standards and Compliance

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|----------------------------------|------------------------------|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL 1666 riser, IEC 60332-1-2 |

| | |
|--------------------------------|---|
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 760, FPLR |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6220UL |

History

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| Update and Revision: | Revision Number: 0.516 Revision Date: 09-07-2025 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|-----------------|--------|--------------|----------|
| 5220UL 0101000 | Black | 612825158448 | |
| 5220UL D151000 | Blue | 612825158370 | |
| 5220UL 0011000 | Brown | 612825158387 | |
| 5220UL 0031000 | Orange | 612825158417 | C |
| 5220UL 0021000 | Red | 612825158394 | C |
| 5220UL 002500 | Red | 612825158400 | |
| 5220UL 002U1000 | Red | 612825336662 | |
| 5220UL 002A1000 | Red | | |
| 5220UL 009U1000 | White | 612825158431 | |
| 5220UL 0041000 | Yellow | 612825158424 | |

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