



**Product:** [5320UL](#) 

Fire Alarm, #18-2c BC, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG solid bare copper conductors with polypropylene 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) | 2               | 18 AWG | Solid     | BC - Bare Copper |

#### Insulation

| Element      | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.007 in (0.18 mm) | 0.055 in (1.4 mm)        | Black, Red |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.143 in (3.63 mm) | Yes     |

Overall Cable Diameter (Nominal): 0.143 in (3.63 mm)

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Nom. Inductance        | Max. Current                 |
|--------------|--------------------|-------------------------------|---------------------------------|------------------------|------------------------------|
| Conductor(s) | 6.4 Ohm/1000ft     | 29 pF/ft (95 pF/m)            | 29 pF/ft (95 pF/m)              | 0.16 µH/ft (0.52 µH/m) | 14 Amps per conductor @ 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. |
|-------------------|-------------------|
| 1.14 in (29.0 mm) | 1.14 in (29.0 mm) |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 39.2 lbs (17.8 kg) |
| Bulk Cable Weight: | 15 lbs/1000ft      |

### Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                                                                                                    |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEEE 1202 FT4, 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:                   | 6320UL                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.439 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | UPC          | Footnote |
|-----------------|-------|--------------|----------|
| 5320UL 0101000  | Black | 612825160526 |          |
| 5320UL 010U1000 | Black | 612825160519 |          |
| 5320UL D151000  | Blue  | 612825160465 | C        |
| 5320UL D15C500  | Blue  | 612825160458 |          |
| 5320UL 001U1000 | Brown | 612825160472 |          |
| 5320UL 0021000  | Red   | 612825160502 | C        |
| 5320UL 002C500  | Red   |              |          |
| 5320UL 002U1000 | Red   | 612825160489 |          |
| 5320UL 002U500  | Red   | 612825160496 |          |
| 5320UL 009C500  | White |              |          |

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

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