



Product: [5320UL](#)

Fire Alarm, #18-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 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 |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18  | Solid     | BC - Bare Copper | 2                 |

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.007 in               |

Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |

Outer Shield Material

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

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.143 in         | 0.017 in               | Yes     |

Construction and Dimensions

Cabling

| Lay Direction | Twists     |
|---------------|------------|
| Left Hand     | 4 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.4 Ohm/1000ft        |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 29 pF/ft                                | 29 pF/ft                             |

Inductance

| Nominal Inductance |
|--------------------|
| 0.16 µH/ft         |

Current

| Element              | Max. Recommended Current [A] |
|----------------------|------------------------------|
| 10C Temperature Rise | Per conductor @ 25°C: 5 A    |

Voltage

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

Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 75°C           |
| Operating Temp Range: | -20°C To +75°C |

Mechanical Characteristics

|                                  |                 |
|----------------------------------|-----------------|
| Bulk Cable Weight:               | 15.9 lbs/1000ft |
| Max Recommended Pulling Tension: | 39.2 lbs        |
| Min Bend Radius/Minor Axis:      | 1.5 in          |

Standards

|                         |      |
|-------------------------|------|
| NEC Articles:           | 760  |
| NEC/(UL) Specification: | FPLR |
| CPR Euroclass:          | Eca  |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/11/EC (BFR):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

|                       |               |
|-----------------------|---------------|
| UL Flammability:      | UL1666 Riser  |
| CSA Flammability:     | FT4           |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating:    | 300 V RMS     |

Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6320UL |

Part Number

Variants

| Item #          | Color | UPC          |
|-----------------|-------|--------------|
| 5320UL 0101000  | Black | 612825160526 |
| 5320UL 010U1000 | Black | 612825160519 |
| 5320UL D151000  | Blue  | 612825160465 |
| 5320UL D15C500  | Blue  | 612825160458 |
| 5320UL 001U1000 | Brown | 612825160472 |

|                 |       |              |
|-----------------|-------|--------------|
| 5320UL 0021000  | Red   | 612825160502 |
| 5320UL 002C500  | Red   |              |
| 5320UL 002U1000 | Red   | 612825160489 |
| 5320UL 002U500  | Red   | 612825160496 |
| 5320UL 009C500  | White |              |

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

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.220 Revision Date: 04-28-2020 |
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