



Product: [5120UL](#)

Fire Alarm, #14-2c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 2-14 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

| Element      | AWG | Stranding | Material         | No. of Conductors |
|--------------|-----|-----------|------------------|-------------------|
| Conductor(s) | 14  | Solid     | BC - Bare Copper | 2                 |

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

Insulation

| Element      | Material           | Nominal Wall Thickness |
|--------------|--------------------|------------------------|
| Conductor(s) | PP - Polypropylene | 0.01 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 | 0.205 in         | 0.017 in               | Yes     |

Construction and Dimensions

Cabling

| Lay Direction | Twists       |
|---------------|--------------|
| Left Hand     | 3.4 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 2.43 Ohm/1000ft       |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 23 pF/ft                                |

Inductance

| Nominal Inductance |
|--------------------|
| 0.15 µH/ft         |

Current

| Element              | Max. Recommended Current [A] |
|----------------------|------------------------------|
| 10C Temperature Rise | Per conductor @ 25°C: 8 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:          | 32 lbs/1000ft |
| Max. Pull Tension:          | 99.4 lbs      |
| Min Bend Radius/Minor Axis: | 2 in          |

Standards

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

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | 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, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | N      |
| Plenum Number: | 6120UL |

Part Number

Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 5120UL 0101000 | Black | 612825156994 |
| 5120UL D151000 | Blue  | 612825156963 |
| 5120UL 0061000 | Blue  | 612825350767 |
| 5120UL 0061000 | Blue  | 612825350767 |
| 5120UL 0051000 | Green | 612825350750 |
| 5120UL 0051000 | Green | 612825350750 |

|                |        |              |
|----------------|--------|--------------|
| 5120UL 0031000 | Orange | 612825350743 |
| 5120UL 0031000 | Orange | 612825350743 |
| 5120UL 0021000 | Red    | 612825336488 |
| 5120UL 002500  | Red    | 612825156970 |
| 5120UL 0071000 | Violet | 612825350774 |
| 5120UL 0071000 | Violet | 612825350774 |
| 5120UL 0091000 | White  | 612825350781 |
| 5120UL 0091000 | White  | 612825350781 |
| 5120UL 0041000 | Yellow | 612825156987 |

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

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.243 Revision Date: 05-11-2020 |
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