



Product: [5329UL](#)

Fire Alarm, #18-12c BC, FPLR

Product Description

Fire Alarm Cable, Riser-FPLR, 12-18 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 |
|------------------------|-----------------------------------------------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 12              | 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, Brown, Blue, Orange, Yellow, Purple, Green, Red/Black, Red/White, Red/Green, Red/Blue |

Outer Shield

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

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.018 in (0.46 mm) | 0.262 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.262 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------|--------------------|-------------------------------|--------------------------------|
| Conductor(s) | 6.4 Ohm/1000ft     | 22 pF/ft (72 pF/m)            | 3.5 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. |
|-------------------|-------------------|
| 2.09 in (53.1 mm) | 2.09 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 235.2 lbs (106.7 kg) |
| Bulk Cable Weight: | 73 lbs/1000ft        |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | UL1666 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                                               |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.307 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 5329UL 0021000 | Red   | 612825160793 |

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