



Product: [6328UL](#)

Fire Alarm, #18-10c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 10-18 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® 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) | 10              | 18 AWG | Solid     | BC - Bare Copper |

Insulation

| Element      | Material                 | Nom. Thickness    | Nom. Insulation Diameter | Color Code                                                                   |
|--------------|--------------------------|-------------------|--------------------------|------------------------------------------------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.0605 in mm             | Black, Red, Brown, Blue, Orange, Yellow, Purple, Green, Red/Black, Red/White |

Outer Shield

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

Outer Jacket

| Material                          | Nom. Thickness     | Nom. Diameter | Ripcord |
|-----------------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride          | 0.015 in (0.38 mm) | 0.272 in      | Yes     |
| Overall Cable Diameter (Nominal): |                    | 0.272 in      |         |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------------|-------------------------------|--------------------------------|
| 6.4 Ohm/1000ft     | 29 pF/ft (95 pF/m)            | 3.5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating    |
|----------------|--------------|
| 75°C           | 0°C To +75°C |

Bend Radius

| Stationary Min.     | Installation Min. |
|---------------------|-------------------|
| 2.176 in (55.27 mm) | 2.176 in          |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 196 lbs (88.9 kg) |
| Bulk Cable Weight: | 73.5 lbs/1000ft   |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910)                                                            |
| NEC / UL Compliance:             | Article 760, FPLP                                                            |
| 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                                               |
| Non-Plenum Number:               | 5328UL                                                                       |

History

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

Part Numbers

Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 6328UL 0021000 | Red   | 612825176039 | C        |

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