



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

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| Update and Revision: | Revision Number: 0.306 Revision Date: 05-05-2023 |
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Part Numbers

Variants

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

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