



Product: [6320UJ](#)

Fire Alarm, #18-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG solid bare copper conductors with FEP insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Fire Alarm, Addressable Systems, Circuits: Audio, Control, Initiating, Notification |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2 | 18 AWG | Solid | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------------------|--------------------|--------------------------|------------|
| Conductor(s) | FEP - Fluorinated Ethylene Propylene | 0.015 in (0.38 mm) | 0.059 in (1.5 mm) | Black, Red |

Outer Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.154 in (3.91 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.154 in (3.91 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedence | Max. Current |
|--------------------|-------------------------------|-------------------------------|------------------------------|
| 6.78 Ohm/1000ft | 16 pF/ft (52 pF/m) | 100 Ohm | 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. |
|-------------------|-------------------|
| 1.10 in (27.9 mm) | 1.10 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 40 lbs (18 kg) |
| Bulk Cable Weight: | 15 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | NFPA 262 (UL910) |
| 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: | 5320UJ |

Product Notes

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|--------|-----------------------------------|
| Notes: | Teflon® is a trademark of DuPont. |
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History

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| Update and Revision: | Revision Number: 0.456 Revision Date: 03-04-2024 |
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Part Numbers

Variants

| Item # | Color | UPC |
|----------------|-------|--------------|
| 6320UJ 0021000 | Red | 612825175759 |

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