



Product: [6120UL](#)

Fire Alarm, #14-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-14 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 | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 2 | 14 AWG | Solid | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|--------------|--------------------------|--------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.010 in (0.25 mm) | Black, Red |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.201 in (5.11 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.201 in (5.11 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------|-------------------------------|-------------------------------|-------------------------------|
| Conductor(s) | 2.43 Ohm/1000ft (7.97 Ohm/km) | 37 pF/ft (120 pF/m) | 8.0 Amps per conductor @ 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (FPLP) |

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.6 in (120 mm) | 4.6 in (120 mm) |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 94 lbs |
| Bulk Cable Weight: | 34 lbs/1000ft (51 kg/km) |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum) |
| NEC / UL Compliance: | Article 760, FPLP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: | 5120UL |

History

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| Update and Revision: | Revision Number: 0.286 Revision Date: 12-15-2021 |
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Variants

| Item # | Color | UPC |
|----------------|---------|--------------|
| 6120UL 0101000 | Black | 612825173731 |
| 6120UL D151000 | Blue | 612825173700 |
| 6120UL 0011000 | Brown | 612825173717 |
| 6120UL 0051000 | Green | 612825350354 |
| 6120UL 8771000 | Natural | 612825350385 |
| 6120UL 0031000 | Orange | 612825350347 |
| 6120UL 0021000 | Red | 612825339564 |
| 6120UL 002500 | Red | 612825173724 |
| 6120UL 0071000 | Violet | 612825350361 |
| 6120UL 0071000 | Violet | 612825350361 |
| 6120UL 0041000 | Yellow | 612825352228 |

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