



Product: [5020FL](#)

Fire Alarm, #12-2c BC, Shielded, FPLR

Product Description
Fire Alarm Cable, Riser-FPLR, 2-12 AWG solid bare copper conductors with polyolefin insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment |
|------------------------|--|

Construction Details

| Conductor | | | | |
|--------------|-----------------|------|-----------|------------------|
| Element | No. of Elements | Size | Stranding | Material |
| Conductor(s) | 2 | 12 | Solid | BC - Bare Copper |

| Insulation | | | |
|--------------------|-------------------|--------------------------|------------|
| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
| PP - Polypropylene | 0.01 in (0.25 mm) | 0.105 in (2.67 mm) | Black, Red |

| Outer Shield | | | |
|--------------|-------------------------|----------|------------------|
| Shield Type | Material | Coverage | Drainwire Type |
| Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (7x28) TC |

| Outer Jacket | | | |
|--------------------------|--------------------|---------------|---------|
| Material | Nom. Thickness | Nom. Diameter | Ripcord |
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.243 in | Yes |

Electrical Characteristics

| Electricals | | | |
|--------------------|-------------------------------|---|-------------------------------|
| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
| 1.65 Ohm/1000ft | 71 pF/ft (230 pF/m) | 128 pF/ft (420 pF/m) | 12 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. |
| 3.64 in (92.5 mm) | 3.64 in |

| | |
|--------------------|-----------------|
| Max. Pull Tension: | 170 lbs (77 kg) |
|--------------------|-----------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 55 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL 1666 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 |
| Plenum Number: | 6020FL |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.323 Revision Date: 02-15-2024 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|----------------|-------|--------------|----------|
| 5020FL 0021000 | Red | 612825155881 | C |

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