

# Product: 5300FL

Fire Alarm, #18-2c BC, Shielded, FPLR

## Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG stranded 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 | Number of Element | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 1 | 18 AWG | 7x26 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Pair(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.062 in (1.6 mm) | Black & Red |

**Outer Shield**

| Shield Type | Material | Coverage | Drainwire Type |
|---|---|---|---|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.162 in | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.162 in |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|---|---|---|---|---|
| Pair(s) | 6.5 Ohm/1000ft | 46.5 pF/ft (153 pF/m) | 83.75 pF/ft (274.8 pF/m) | 5 Amps per Conductor at 25ºC |

**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. |
|---|---|
| 2.43 in (61.7 mm) | 2.43 in |

| | |
|---|---|
| Max. Pull Tension: | 50 lbs |
| Bulk Cable Weight: | 18 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4 |
| 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) |
| Plenum Number: | 6300FL |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.310 Revision Date: 12-20-2021 |

**Variants**

| Item # | Color | UPC |
|---|---|---|
| 5300FL 0021000 | Red | 612825159063 |
| 5300FL 002U1000 | Red | 612825159056 |

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