



Product: [5322FL](#)

Fire Alarm, #18-4c BC, Shielded, FPLR

**Product Description**

Fire Alarm Cable, Riser-FPLR, 4-18 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) | 4               | 18   | Solid     | BC - Bare Copper |

Insulation

| Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code              |
|--------------------|--------------------|--------------------------|-------------------------|
| PP - Polypropylene | 0.007 in (0.18 mm) | 0.056 in (1.4 mm)        | Black, Red, Brown, Blue |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.17 in       | Yes     |

**Electrical Characteristics**

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|---|--------------------------------|
| 6.65 Ohm/1000ft    | 30 pF/ft (98 pF/m)            | 54 pF/ft (180 pF/m)                             | 3.5 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. |
|-------------------|-------------------|
| 2.55 in (64.8 mm) | 2.55 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 78.4 lbs (35.6 kg) |
|--------------------|--------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 29 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:                   | 6322FL   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.323 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item #          | Color | UPC          | Footnote |
|-----------------|-------|--------------|----------|
| 5322FL 0021000  | Red   | 612825160618 | C        |
| 5322FL 002U1000 | Red   | 612825160601 |          |

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