



Product: [5320FL](#)

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

Product Description

Fire Alarm Cable, Riser-FPLR, 2-18 AWG solid bare copper conductors with polypropylene 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 | 18 AWG | Solid | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.007 in (0.18 mm) | 0.055 in (1.4 mm) | Black, Red |

Outer Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.147 in (3.73 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.147 in (3.73 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|---|------------------------------|
| Conductor(s) | 6.4 Ohm/1000ft | 55 pF/ft (180 pF/m) | 99 pF/ft (320 pF/m) | 14 Amps per conductor @ 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. |
|-------------------|-------------------|
| 2.20 in (55.9 mm) | 2.20 in (55.9 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 44.3 lbs (20.1 kg) |
|--------------------|--------------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 17 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEEE 1202 FT4 |
| NEC / UL Compliance: | Article 760, FPLR |
| 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) |
| Plenum Number: | 6320FL |

History

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| Update and Revision: | Revision Number: 0.458 Revision Date: 02-15-2024 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|-----------------|--------|--------------|----------|
| 5320FL D151000 | Blue | 612825160335 | C |
| 5320FL D15U1000 | Blue | 612825336969 | |
| 5320FL 003C500 | Orange | 612825160366 | |
| 5320FL 0021000 | Red | 612825160359 | C |
| 5320FL 002U1000 | Red | 612825336976 | |
| 5320FL 002U500 | Red | 612825160342 | |
| 5320FL 0071000 | Violet | 612825160397 | |
| 5320FL 0041000 | Yellow | 612825160380 | |
| 5320FL 004C500 | Yellow | 612825160373 | |

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