



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 |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18 | 7x26 | BC - Bare Copper | 2 |

| | |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Material | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.008 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil® | 100% | TC - Tinned Copper | 24 | Solid |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.162 in | 0.017 in | Yes |

Construction and Dimensions

Cabling

| Twists |
|--------------|
| 6.9 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.5 Ohm/1000ft | 16.25 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 46.5 pF/ft | 83.75 pF/ft |

Current

Max. Recommended Current [A]

8 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

| | |
|-----------------------|----------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -20°C To +75°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 18 lbs/1000ft |
| Max. Pull Tension: | 45 lbs |
| Min Bend Radius/Minor Axis: | 1.625 in |

Standards

| | |
|----------------------|-------------|
| NEC Articles: | Article 760 |
| NEC/(UL) Compliance: | FPLR |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2009-10-01 |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|--------------|
| UL Flammability: | UL1666 Riser |
| CSA Flammability: | FT4 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|----------------|--------|
| Plenum (Y/N): | No |
| Plenum Number: | 6300FL |

Part Number

Variants

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

Footnote: C - CRATE REEL PUT-UP.

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.231 Revision Date: 06-08-2020 |
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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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Как с нами связаться

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