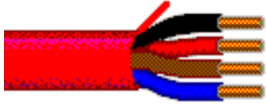


Part Number: 6322UL

Fire Alarm, #18-4c BC, FPLP



Product Description

Fire Alarm Cable, Plenum-FPLP, 4-18 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18 | Solid | BC - Bare Copper | 4 |

| | |
|------------------|--------|
| Conductor Count: | 4 |
| Conductor Size: | 18 AWG |

Insulation

| Material | Material Trade Name | Nominal Wall Thickness |
|---------------------------------------|---------------------|------------------------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.008 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | Brown |
| 4 | Blue |

Outer Shield Material

| Material |
|------------|
| Unshielded |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---------------------------------------|---------------------|------------------|------------------------|---------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.166 in | 0.015 in | Yes |

Construction and Dimensions

Cabling

| Twists |
|--------------|
| 3.7 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.4 Ohm/1000ft |

Capacitance

Nom. Capacitance Conductor to Conductor

33.5 pF/ft

Current

Max. Recommended Current [A]

4 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

| | |
|-----------------------|--------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | 0°C To +75°C |

Mechanical Characteristics

| | |
|----------------------------------|-----------------|
| Bulk Cable Weight: | 29.4 lbs/1000ft |
| Max Recommended Pulling Tension: | 78.4 lbs |
| Min Bend Radius/Minor Axis: | 1.625 in |

Standards

| | |
|-------------------------|--------------------------------|
| NEC Articles: | 760 |
| NEC/(UL) Specification: | FPLP |
| Other Specification: | California State Fire Marshall |

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): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|------------------------------------|
| UL Flammability: | NFPA 262 Plenum Flame Test (UL910) |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Part Number

| | |
|--------------------|--------|
| Non-Plenum Number: | 5322UL |
|--------------------|--------|

Variants

| Item # | Color | Footnote |
|-----------------|-------|----------|
| 6322UL 0021000 | Red | C |
| 6322UL 002C500 | Red | |
| 6322UL 002U1000 | Red | |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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