



Product: [6320UL](#)

Fire Alarm, #18-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

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

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

Insulation

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

Color Chart

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

Outer Shield Material

| Material |
|-----------|
| No Shield |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|---------------------|------------------|------------------------|---------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | Flamarrest® | 0.144 in | 0.015 in | Yes |

Construction and Dimensions

Cabling

| Twists |
|--------------|
| 4.4 twist/ft |

Electrical Characteristics

Conductor DCR

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

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
|---|

31 pF/ft

Inductance

Nominal Inductance

0.15 μ H/ft

Current

Max. Recommended Current [A]

5 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: | 16 lbs/1000ft |
| Max Recommended Pulling Tension: | 39.2 lbs |
| Min Bend Radius/Minor Axis: | 1.5 in |

Standards

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

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| 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: | 5320UL |
|--------------------|--------|

Variants

| Item # | Color | UPC |
|-----------------|-------------|--------------|
| 6320UL 0101000 | Black | 612825175919 |
| 6320UL 010C500 | Black | 612825175896 |
| 6320UL 010U1000 | Black | 612825175902 |
| 6320UL D15C500 | Blue | 612825175766 |
| 6320UL 0051000 | Green, Dark | 612825175841 |
| 6320UL 005U1000 | Green, Dark | 612825175834 |
| 6320UL 0031000 | Orange | 612825175810 |
| 6320UL 003U1000 | Orange | 612825175803 |
| 6320UL 012U1000 | Pink | 612825175926 |
| 6320UL 0021000 | Red | 612825175797 |
| 6320UL 002U1000 | Red | 612825175773 |
| 6320UL 002U500 | Red | 612825175780 |
| 6320UL 007C500 | Violet | 612825175858 |
| 6320UL 007U1000 | Violet | 612825175865 |
| 6320UL 009C500 | White | 612825175872 |

| | | |
|-----------------|--------|--------------|
| 6320UL 009U1000 | White | 612825175889 |
| 6320UL 004U1000 | Yellow | 612825175827 |

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

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| Update and Revision: | Revision Number: 0.212 Revision Date: 04-28-2020 |
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