



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 µH/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, LS0H, 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. |
|-----------|------------------------|

History

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

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