



Product: [5322UN](#)

Fire Alarm, #18-4c BC, NPLF

Product Description

Fire Alarm Cable, Rated-NPLF, 4-18 AWG solid bare copper conductors with PVC/nylon insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| Suitable Applications: | Fire Alarm, Non-Power Limited, Circuits: Audio, Control, Initiating, Notification |
|------------------------|-----------------------------------------------------------------------------------|

Physical Characteristics (Overall)

Conductor

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

|                  |   |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

Insulation

| Material                               | Nominal Wall Thickness |
|----------------------------------------|------------------------|
| PVC/Nylon - Polyvinyl Chloride + Nylon | 0.021 in               |

Color Chart

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

Outer Shield

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

Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.283 in         | 0.042 in               | Yes     |

Construction and Dimensions

Cabling

| Twists     |
|------------|
| 4 twist/ft |

Electrical Characteristics

Conductor DCR

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

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 22.5 pF/ft                              |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 4 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 150 V RMS         |

Temperature Range

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

Mechanical Characteristics

|                              |                 |
|------------------------------|-----------------|
| Bulk Cable Weight:           | 48.2 lbs/1000ft |
| Max. Pull Tension:           | 78.4 lbs        |
| Min. Bend Radius/Minor Axis: | 2.75 in         |

Standards

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

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 2): | Yes                           |
| EU Directive 2012/19/EU (WEEE):   | Yes                           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |
| MII Order #39 (China RoHS):       | Yes                           |

Flammability, LS0H, Toxicity Testing

|                    |                   |
|--------------------|-------------------|
| UL Flammability:   | UL1685 UL Loading |
| UL voltage rating: | 150 V RMS         |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Related Part Numbers

Variants

| Item #        | Color | UPC          |
|---------------|-------|--------------|
| 5322UN 002500 | Red   | 612825160694 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.299 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

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