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please call

1-800-Belden1



### Description:

16 AWG bare copper conductors, PP insulation, PVC jacket with ripcord, sequential footage marking every two feet.

### Usage (Overall)

**Suitable Applications:** Addressable Fire Systems, Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 3            | 16  | 19x29     | BC - Bare Copper   |

#### Insulation

**Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.007                |

#### Outer Shield

**Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.017                     |

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Lay Length & Direction:**

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 4            | 3.0          |

**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |
| 3      | White |

**Overall Nominal Diameter:** 0.187 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 34.400 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 88 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 1.875 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMR        |
| NEC Articles:                         | 800        |
| CEC/C(UL) Specification:              | CMG        |
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

### Flame Test

|                   |                       |
|-------------------|-----------------------|
| UL Flame Test:    | UL1666 Vertical Riser |
| C(UL) Flame Test: | FT4                   |

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6201UE |

## Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 23.500              |

#### Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 4.2                      |

#### Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

#### Max. Recommended Current:

|                                |
|--------------------------------|
| Current                        |
| 6.25 Amps per conductor @ 25°C |

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc      |
|-----------------|----------|-------------|-------|-------|----------------|
| 5201UE 008U1000 | 1,000 FT | 33.000 LB   | GRAY  |       | 3 #16 PP FRPVC |
| 5201UE 0081000  | 1,000 FT | 33.000 LB   | GRAY  | C     | 3 #16 PP FRPVC |
| 5201UE 008500   | 500 FT   | 17.000 LB   | GRAY  |       | 3 #16 PP FRPVC |

#### Notes:

C = CRATE REEL PUT-UP.

## 5201UE Multi-Conductor - Commercial Audio Systems

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