

## 5200UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Riser-CMR, 2-16 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

### Usage (Overall)

Suitable Applications: Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 16  | 19x29     | BC - Bare Copper   |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.008                |

#### 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.) | Direction | Twists (twist/ft) |
|--------------|-----------|-------------------|
| 4.000        | Left Hand | 3.000             |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.180 in.

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 23 lbs/1000 ft.

Max. Recommended Pulling Tension: 59 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

NEC Articles: 800

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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|                                       |            |
|---------------------------------------|------------|
| 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                   |

### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum Number: | 6200UE |
|----------------|--------|

## Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

|                    |
|--------------------|
| Inductance (µH/ft) |
| 0.140              |

#### Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 23.000              |

#### Nom. Conductor DC Resistance:

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

#### Max. Operating Voltage - UL:

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

#### Max. Recommended Current:

| Description          | Current                                |
|----------------------|--|
| 10C Temperature Rise | 6.25 Amps per conductor @ 25°C ambient |

### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc      |
|-----------------|----------|-------------|-------|-------|----------------|
| 5200UE 001U1000 | 1,000 FT | 24.000 LB   | BROWN |       | 2 #16 PP FRPVC |
| 5200UE 0011000  | 1,000 FT | 25.000 LB   | BROWN |       | 2 #16 PO FRPVC |
| 5200UE 0021000  | 1,000 FT | 25.000 LB   | RED   | C     | 2 #16 PP FRPVC |
| 5200UE 008U1000 | 1,000 FT | 24.000 LB   | GRAY  |       | 2 #16 PP FRPVC |
| 5200UE 008U500  | 500 FT   | 13.000 LB   | GRAY  |       | 2 #16 PP FRPVC |
| 5200UE 0081000  | 1,000 FT | 25.000 LB   | GRAY  | C     | 2 #16 PP FRPVC |
| 5200UE 008500   | 500 FT   | 13.000 LB   | GRAY  |       | 2 #16 PP FRPVC |
| 5200UE 009U1000 | 1,000 FT | 24.000 LB   | WHITE |       | 2 #16 PP FRPVC |
| 5200UE 010U1000 | 1,000 FT | 24.000 LB   | BLACK |       | 2 #16 PP FRPVC |
| 5200UE 0101000  | 1,000 FT | 25.000 LB   | BLACK |       | 2 #16 PP FRPVC |

#### Notes:

C = CRATE REEL PUT-UP.

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