

## 5300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 18  | 7x26      | BC - Bare Copper   |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene  | 0.203               |

#### Outer Shield

Outer Shield Material:

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

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.432                    |

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Twists (twist/m) |
|-------------|------------------|
| 88.89965    | 11.1554          |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 4.013 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius/Minor Axis: 38.100 mm

### 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

## METRIC MEASUREMENT VERSION

### 5300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

|                                       |            |
|---------------------------------------|------------|
| 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        |
| MIL Order #39 (China RoHS):           | Yes        |

#### Flame Test

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

#### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum Number: | 6300UE |
|----------------|--------|

#### Electrical Characteristics (Overall)

##### Nom. Inductance:

**Inductance (µH/m)**  
0.476

##### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**  
70.542

##### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
21.3265

##### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

##### Max. Recommended Current:

**Current**  
5 Amps per conductor @ 25°C

#### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color       | Notes | Item Desc      |
|-----------------|----------|-------------|-------------|-------|----------------|
| 5300UE 001U1000 | 1,000 FT | 17.000 LB   | BROWN       |       | 2 #18 PO FRPVC |
| 5300UE 0021000  | 1,000 FT | 17.000 LB   | RED         |       | 2 #18 PO FRPVC |
| 5300UE 0041000  | 1,000 FT | 17.000 LB   | YELLOW      |       | 2 #18 PO FRPVC |
| 5300UE 005U1000 | 1,000 FT | 17.000 LB   | GREEN, DARK |       | 2 #18 PO FRPVC |
| 5300UE 0051000  | 1,000 FT | 17.000 LB   | GREEN, DARK |       | 2 #18 PO FRPVC |
| 5300UE 0061000  | 1,000 FT | 17.000 LB   | BLUE, LIGHT |       | 2 #18 PO FRPVC |
| 5300UE 0071000  | 1,000 FT | 17.000 LB   | VIOLET      |       | 2 #18 PO FRPVC |
| 5300UE 008C500  | 500 FT   | 7.500 LB    | GRAY        |       | 2 #18 PO FRPVC |
| 5300UE 008U1000 | 1,000 FT | 17.000 LB   | GRAY        |       | 2 #18 PO FRPVC |
| 5300UE 008U500  | 500 FT   | 9.000 LB    | GRAY        |       | 2 #18 PO FRPVC |
| 5300UE 0081000  | 1,000 FT | 17.000 LB   | GRAY        | C     | 2 #18 PO FRPVC |
| 5300UE 008500   | 500 FT   | 8.500 LB    | GRAY        |       | 2 #18 PO FRPVC |
| 5300UE 009U1000 | 1,000 FT | 17.000 LB   | WHITE       |       | 2 #18 PO FRPVC |
| 5300UE 0091000  | 1,000 FT | 17.000 LB   | WHITE       | C     | 2 #18 PO FRPVC |
| 5300UE 010U1000 | 1,000 FT | 17.000 LB   | BLACK       |       | 2 #18 PO FRPVC |
| 5300UE 0101000  | 1,000 FT | 17.000 LB   | BLACK       | C     | 2 #18 PO FRPVC |

##### Notes:

C = CRATE REEL PUT-UP.

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**METRIC MEASUREMENT VERSION**

## **5300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled**

Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).