

## 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
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#### 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**

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.