

## 6300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CMP 2-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems

### 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 Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.203

#### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

**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:** 3.912 mm

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** 0°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 23.811 Kg/Km

**Max. Recommended Pulling Tension:** 200.169 N

**Min. Bend Radius/Minor Axis:** 39.370 mm

## 6300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
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:	NFPA 262
C(UL) Flame Test:	FT6

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5300UE

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)	0.49215
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	111.554
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	21.3265
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#### Max. Operating Voltage - UL:

Voltage	300 V RMS
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#### Max. Recommended Current:

Current	5 Amps per conductor @ 25°C
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300UE D15Z1000	1,000 FT	21.000 LB	BLUE		2 #18 FLRST FLRST
6300UE D151000	1,000 FT	18.000 LB	BLUE	C	2 #18 FLRST FLRST
6300UE 002Z1000	1,000 FT	21.000 LB	RED		2 #18 FLRST FLRST
6300UE 0021000	1,000 FT	18.000 LB	RED	C	2 #18 FLRST FLRST
6300UE 003Z1000	1,000 FT	21.000 LB	ORANGE		2 #18 FLRST FLRST
6300UE 0031000	1,000 FT	18.000 LB	ORANGE	C	2 #18 FLRST FLRST
6300UE 004U1000	1,000 FT	19.000 LB	YELLOW		2 #18 FLRST FLRST
6300UE 004Z1000	1,000 FT	21.000 LB	YELLOW		2 #18 FLRST FLRST
6300UE 0041000	1,000 FT	18.000 LB	YELLOW	C	2 #18 FLRST FLRST

## METRIC MEASUREMENT VERSION

### 6300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

6300UE 005Z1000	1,000 FT	21.000 LB	GREEN, DARK		2 #18 FLRST FLRST
6300UE 005I1000	1,000 FT	18.000 LB	GREEN, DARK	C	2 #18 FLRST FLRST
6300UE 007Z1000	1,000 FT	21.000 LB	VIOLET		2 #18 FLRST FLRST
6300UE 007I1000	1,000 FT	18.000 LB	VIOLET	C	2 #18 FLRST FLRST
6300UE 008U1000	1,000 FT	19.000 LB	GRAY		2 #18 FLRST FLRST
6300UE 008U500	500 FT	9.500 LB	GRAY		2 #18 FLRST FLRST
6300UE 008Z1000	1,000 FT	21.000 LB	GRAY		2 #18 FLRST FLRST
6300UE 008I1000	1,000 FT	18.000 LB	GRAY	C	2 #18 FLRST FLRST
6300UE 009C100	100 FT	1.700 LB	WHITE		2 #18 FLRST FLRST
6300UE 009U1000	1,000 FT	19.000 LB	WHITE		2 #18 FLRST FLRST
6300UE 009U250	250 FT	5.250 LB	WHITE		2 #18 FLRST FLRST
6300UE 009U500	500 FT	9.500 LB	WHITE		2 #18 FLRST FLRST
6300UE 009Z1000	1,000 FT	21.000 LB	WHITE		2 #18 FLRST FLRST
6300UE 009Z500	500 FT	11.500 LB	WHITE		2 #18 FLRST FLRST
6300UE 009I1000	1,000 FT	18.000 LB	WHITE	C	2 #18 FLRST FLRST
6300UE 010C100	100 FT	1.700 LB	BLACK		2 #18 FLRST FLRST
6300UE 010U1000	1,000 FT	19.000 LB	BLACK		2 #18 FLRST FLRST
6300UE 010U250	250 FT	5.250 LB	BLACK		2 #18 FLRST FLRST
6300UE 010U500	500 FT	9.500 LB	BLACK		2 #18 FLRST FLRST
6300UE 010Z1000	1,000 FT	21.000 LB	BLACK		2 #18 FLRST FLRST
6300UE 010Z500	500 FT	11.500 LB	BLACK		2 #18 FLRST FLRST
6300UE 010I1000	1,000 FT	18.000 LB	BLACK	C	2 #18 FLRST FLRST
6300UE 0105000	5,000 FT	90.000 LB	BLACK		2 #18 FLRST FLRST
6300UE 012U1000	1,000 FT	19.000 LB	PINK		2 #18 FLRST FLRST
6300UE 012Z1000	1,000 FT	21.000 LB	PINK		2 #18 FLRST FLRST
6300UE 337I1000	1,000 FT	18.000 LB	GREEN, LIGHT	C	2 #18 FLRST FLRST
6300UE 877U1000	1,000 FT	19.000 LB	NATURAL		2 #18 FLRST FLRST
6300UE 877U500	500 FT	9.500 LB	NATURAL		2 #18 FLRST FLRST
6300UE 877Z1000	1,000 FT	21.000 LB	NATURAL		2 #18 FLRST FLRST
6300UE 877I1000	1,000 FT	18.000 LB	NATURAL	C	2 #18 FLRST FLRST
6300UE 877500	500 FT	9.500 LB	NATURAL		2 #18 FLRST FLRST

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 03-11-2013

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