

## 6100UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CL2P 2-14 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	14	19x27	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	0.254

#### 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)	Direction	Twists (twist/m)
95.250	Left Hand	10.499

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 5.334 mm

### Mechanical Characteristics (Overall)

Installation Temperature Range:	0°C To +75°C
Operating Temperature Range:	-10°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	53.575 Kg/Km
Max. Recommended Pulling Tension:	422.579 N
Min. Bend Radius/Minor Axis:	53.340 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2P
NEC Articles:	725
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

## METRIC MEASUREMENT VERSION

### 6100UE 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
MII Order #39 (China RoHS):	Yes

#### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5100UE

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.476

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
118.116

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
8.30093

#### Max. Operating Voltage - UL:

Voltage
150 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	8 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6100UE 004U1000	1,000 FT	37.000 LB	YELLOW		2 #14 FLRST FLRST
6100UE 008U1000	1,000 FT	37.000 LB	GRAY		2 #14 FLRST FLRST
6100UE 009U1000	1,000 FT	37.000 LB	WHITE		2 #14 FLRST FLRST
6100UE 009U250	250 FT	9.750 LB	WHITE		2 #14 FLRST FLRST
6100UE 009U500	500 FT	18.500 LB	WHITE		2 #14 FLRST FLRST
6100UE 010U1000	1,000 FT	37.000 LB	BLACK		2 #14 FLRST FLRST
6100UE 010500	500 FT	18.500 LB	BLACK	C	2 #14 FLRST FLRST
6100UE 877U1000	1,000 FT	37.000 LB	NATURAL		2 #14 FLRST FLRST
6100UE 8771000	1,000 FT	36.000 LB	NATURAL	C	2 #14 FLRST FLRST
6100UE 877500	500 FT	18.500 LB	NATURAL		2 #14 FLRST FLRST
6100UE 8775000	5,000 FT	190.000 LB	NATURAL		2 #14 FLRST FLRST

#### Notes:

C = CRATE REEL PUT-UP.

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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.