

## 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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.010

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
3.750	Left Hand	3.200

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.210 in.

### 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:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	95 lbs.
Min. Bend Radius/Minor Axis:	2.100 in.

### 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

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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:	NFPA 262
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### 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/ft)

0.145

### Nom. Capacitance Conductor to Conductor:

#### Capacitance (pF/ft)

36.000

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

2.53

### 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	185.000 LB	NATURAL		2 #14 FLRST FLRST

### Notes:

C = CRATE REEL PUT-UP.

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