

## 5100UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### Description:

14 AWG bare copper conductors, PP insulation, PVC jacket with ripcord, sequential footage marking every two feet.

### Usage (Overall)

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems, Fire Alarm (For color Red only)(Dual Rated)

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	BC - Bare Copper

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.279

#### 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 Cabling

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (m.)
101.5996	0.9144

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White

**Overall Nominal Diameter:** 5.740 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 55.063 Kg/Km

**Max. Recommended Pulling Tension:** 422.579 N

**Min. Bend Radius (Install)/Minor Axis:** 57.150 mm

## 5100UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL3R, FPLR
NEC Articles:	725 or 760
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:	UL1666 Vertical Riser
CSA Flame Test:	FT4

#### Plenum/Non-Plenum

Plenum Number:	6100UE
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

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

Capacitance (pF/m)	72.182
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	8.30093
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#### Max. Operating Voltage - UL:

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

Current	8 Amps per conductor @ 25°C
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### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5100UE 0021000	305 MT	16.329 KG	RED	C	2 #14 PP FRPVC
5100UE 008U1000	305 MT	15.422 KG	GRAY		2 #14 PP FRPVC
5100UE 0081000	305 MT	16.329 KG	GRAY	C	2 #14 PP FRPVC
5100UE 008500	152 MT	8.165 KG	GRAY	C	2 #14 PP FRPVC
5100UE 0101000	305 MT	16.329 KG	BLACK	C	2 #14 PP FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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Revision Number: 3    Revision Date: 06-16-2008

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