

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

For more Information  
please call

1-800-Belden1

**General Description:**

Security & Commercial Audio Cable, Riser-CL3R-FPLR 2-14 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

**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

**Total Number of Conductors:**

2

**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 Cable****Overall Cabling Lay Length & Direction:**

Length (mm)	Direction	Twists (twist/m)
101.600	Left Hand	9.843

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White

**Overall Nominal Diameter:**

5.537 mm

**Mechanical Characteristics (Overall)****Operating Temperature Range:**

-20°C To +75°C

**UL Temperature Rating:**

75°C

**Bulk Cable Weight:**

49.111 Kg/Km

**Max. Recommended Pulling Tension:**

422.579 N

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

Min. Bend Radius/Minor Axis: 57.150 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

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

## Suitability

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

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

## Nom. Inductance:

Inductance (µH/m)
0.49215

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
72.182

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
8.30093

## Max. Operating Voltage - UL:

Voltage
300 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
5100UE 002Z1000	1,000 FT	36.000 LB	RED		2 #14 PO FRPVC
5100UE 0021000	1,000 FT	37.000 LB	RED	C	2 #14 PP FRPVC
5100UE 008U1000	1,000 FT	34.000 LB	GRAY		2 #14 PP FRPVC
5100UE 008Z1000	1,000 FT	36.000 LB	GRAY		2 #14 PO FRPVC
5100UE 0081000	1,000 FT	37.000 LB	GRAY	C	2 #14 PP FRPVC
5100UE 008500	500 FT	18.000 LB	GRAY	C	2 #14 PP FRPVC
5100UE 010Z1000	1,000 FT	36.000 LB	BLACK		2 #14 PO FRPVC
5100UE 0101000	1,000 FT	37.000 LB	BLACK	C	2 #14 PP FRPVC

## METRIC MEASUREMENT VERSION

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**Notes:**

C = CRATE REEL PUT-UP.

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