

METRIC MEASUREMENT VERSION



5300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

For more Information
please call

1-800-Belden1



General Description:

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Usage (Overall)

Suitable Applications: Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits

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 Material	Wall Thickness (mm)
PP - Polypropylene	0.203

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)	Twists (twist/m)
88.89965	11.1554

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 4.013 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius/Minor Axis: 38.100 mm

5300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
NEC Articles:	800
CEC/C(UL) Specification:	CMG
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 Shaft
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum Number:	6300UE
----------------	--------

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.476

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
70.542

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5300UE 001U1000	1,000 FT	17.000 LB	BROWN		2 #18 PO FRPVC
5300UE 001Z1000	1,000 FT	19.000 LB	BROWN		2 #18 PO FRPVC
5300UE 002Z1000	1,000 FT	19.000 LB	RED		2 #18 PO FRPVC
5300UE 0021000	1,000 FT	17.000 LB	RED		2 #18 PO FRPVC
5300UE 0041000	1,000 FT	17.000 LB	YELLOW		2 #18 PO FRPVC
5300UE 005U1000	1,000 FT	17.000 LB	GREEN, DARK		2 #18 PO FRPVC
5300UE 005Z1000	1,000 FT	19.000 LB	GREEN, DARK		2 #18 PO FRPVC
5300UE 0051000	1,000 FT	17.000 LB	GREEN, DARK		2 #18 PO FRPVC
5300UE 0061000	1,000 FT	17.000 LB	BLUE, LIGHT		2 #18 PO FRPVC
5300UE 007Z1000	1,000 FT	19.000 LB	VIOLET		2 #18 PO FRPVC

5300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

5300UE 0071000	1,000 FT	17.000 LB	VIOLET		2 #18 PO FRPVC
5300UE 008C500	500 FT	7.500 LB	GRAY		2 #18 PO FRPVC
5300UE 008U1000	1,000 FT	17.000 LB	GRAY		2 #18 PO FRPVC
5300UE 008U500	500 FT	9.000 LB	GRAY		2 #18 PO FRPVC
5300UE 008Z1000	1,000 FT	19.000 LB	GRAY		2 #18 PO FRPVC
5300UE 0081000	1,000 FT	17.000 LB	GRAY	C	2 #18 PO FRPVC
5300UE 008500	500 FT	8.500 LB	GRAY		2 #18 PO FRPVC
5300UE 009U1000	1,000 FT	17.000 LB	WHITE		2 #18 PO FRPVC
5300UE 009Z1000	1,000 FT	19.000 LB	WHITE		2 #18 PO FRPVC
5300UE 0091000	1,000 FT	17.000 LB	WHITE	C	2 #18 PO FRPVC
5300UE 010U1000	1,000 FT	17.000 LB	BLACK		2 #18 PO FRPVC
5300UE 010Z1000	1,000 FT	19.000 LB	BLACK		2 #18 PO FRPVC
5300UE 0101000	1,000 FT	17.000 LB	BLACK	C	2 #18 PO FRPVC

Notes:

C = CRATE REEL PUT-UP.

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

© 2019 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).