

METRIC MEASUREMENT VERSION

5301UE Multi-Conductor - Commercial Audio Systems

For more Information
please call

1-800-Belden1



General Description:

Security & Commercial Audio Cable, Riser-CMR, 3-18 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Usage (Overall)

Suitable Applications: Addressable Fire Systems, Data Circuits, Monitor/Detection, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	18	7x26	BC - Bare Copper

Total Number of Conductors: 3

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)
88.900	11.1554

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 4.242 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 32.740 Kg/Km

Max. Recommended Pulling Tension: 298.919 N

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Min. Bend Radius/Minor Axis:	41.275 mm
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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 (Y/N):	No
Plenum Number:	6301UE

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
66.440

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
5301UE 008U1000	1,000 FT	25.000 LB	GRAY		3 #18 PP FRPVC
5301UE 008Z1000	1,000 FT	26.000 LB	GRAY		3 #18 PO FRPVC
5301UE 0081000	1,000 FT	23.000 LB	GRAY	C	3 #18 PP FRPVC
5301UE 008500	500 FT	11.500 LB	GRAY		3 #18 PP FRPVC

Notes:

C = CRATE REEL PUT-UP.

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