Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8471 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacketed Con



For more Information please call

1-800-Belden1



Description:

16 AWG stranded (19x29) tinned copper conductors, PVC insulation, twisted pair, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

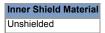
Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.5842

Inner Shield

Inner Shield Material:



Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

Overall Cabling

Overall Nominal Diameter: 6.960 mm

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
50.7998	19.686

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C	
Non-UL Temperature Rating:	60°C (UL AWM Style 2598)	
Bulk Cable Weight:	53.426 Kg/Km	
Max. Recommended Pulling Tension:	271.340 N	
Min. Bend Radius (Install)/Minor Axis:	129.540 mm	

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NEC/(UL) Specification:



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Applicable Specifications and Agency Compliance (O	veraii)
Applicable Standards & Environmental Programs	

CMG

Yes

CEC/C(UL) Specification:

CMG

AWM Specification:

UL Style 2598 (300 V 60°C)

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):

Flame Test

UL Flame Test: UL1685 FT4 Loading

C(UL) Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.603704

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 108.273

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 14.7317

Max. Operating Voltage - UL:

Voltage 300 V RMS (UL AWM Style 2598)

Max. Recommended Current:

Current
7.1 Amps per conductor @ 25°C

Notes (Overall)

Notes: Nominal Breakdown Voltage - Jacket 20 KV RMS; Nominal Breakdown Voltage Between Conductors 20 KV RMS.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8471 060U1000	305 MT	17.237 KG	CHROME		1 PR #16 PVC FRPVC
8471 060U500	152 MT	8.845 KG	CHROME		1 PR #16 PVC FRPVC
8471 0601000	305 MT	18.144 KG	CHROME	С	1 PR #16 PVC FRPVC
8471 060500	152 MT	9.072 KG	CHROME	С	1 PR #16 PVC FRPVC
8471 0605000	1,524 MT	88.451 KG	CHROME		1 PR #16 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

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