

# 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:

Inner Shield Material
Unshielded

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

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

### Overall Cabling

Overall Nominal Diameter: 6.960 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & White

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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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
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):	Yes

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance ( $\mu$ H/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.

### Related Documents:

No related documents are available for this product

### 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	C	1 PR #16 PVC FRPVC
8471 0605000	152 MT	9.072 KG	CHROME	C	1 PR #16 PVC FRPVC
8471 0605000	1,524 MT	88.451 KG	CHROME		1 PR #16 PVC FRPVC

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**Notes:**

C = CRATE REEL PUT-UP.

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