

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



For more Information  
please call

1-800-Belden1



### General 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 |

Total Number of Conductors: 2

#### 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 Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Direction | Twists (twist/m) |
|-------------|-----------|------------------|
| 50.800      | Left Hand | 19.686           |

Overall Nominal Diameter: 6.960 mm

#### Pair

Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Black & White |

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| Non-UL Temperature Rating:        | 60°C (UL AWM Style 2598) |
| Bulk Cable Weight:                | 53.575 Kg/Km             |
| Max. Recommended Pulling Tension: | 271.340 N                |
| Min. Bend Radius/Minor Axis:      | 69.850 mm                |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |                            |
|------------------------------------|----------------------------|
| NEC(UL) Specification:             | CL3, CMG                   |
| NEC Articles:                      | 800, 725                   |
| CEC/C(UL) Specification:           | CMG                        |
| AWM Specification:                 | UL Style 2598 (300 V 60°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes                        |
| EU CE Mark:                        | Yes                        |

## METRIC MEASUREMENT VERSION

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

|                                       |            |
|---------------------------------------|------------|
| 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        |
| MIL Order #39 (China RoHS):           | Yes        |

#### Flame Test

|                 |                    |
|-----------------|--------------------|
| UL Flame Test:  | UL1685 FT4 Loading |
| CSA Flame Test: | FT4                |

#### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)

0.623

#### 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

#### Max. Recommended Current:

| Description          | Current                               |
|----------------------|---------------------------------------|
| 10C temperature rise | 6.1 Amps per conductor @ 25°C ambient |

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc          |
|---------------|----------|-------------|--------|-------|--------------------|
| 8471 060U1000 | 1,000 FT | 38.000 LB   | CHROME |       | 1 PR #16 PVC FRPVC |
| 8471 060U500  | 500 FT   | 20.500 LB   | CHROME |       | 1 PR #16 PVC FRPVC |
| 8471 0601000  | 1,000 FT | 40.000 LB   | CHROME | C     | 1 PR #16 PVC FRPVC |
| 8471 060500   | 500 FT   | 20.000 LB   | CHROME | C     | 1 PR #16 PVC FRPVC |
| 8471 0605000  | 5,000 FT | 195.000 LB  | CHROME |       | 1 PR #16 PVC FRPVC |
| 8471NH 010500 | 500 FT   | 13.000 LB   | BLACK  | C     | 2 #16 PO NHRPO_    |

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-02-2013

© 2016 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).