

**BELDEN**Cable™

**8471 Paired - High-Conductivity Copper Speaker Cable Twisted Jacketed Con**

|  |  |
|--|--|
|   | <p><b>Metric Version</b><br/>For more information please call<br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Color Code Chart : No. 1.pdf</b></p> |
|--|--|

**Description:**

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

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

|                            |                    |
|----------------------------|--------------------|
| Number of Pairs            | 1                  |
| Total Number of Conductors | 2                  |
| AWG                        | 16                 |
| Stranding                  | 19x29              |
| Conductor Material         | TC - Tinned Copper |

**INSULATION:**

|                                |                          |
|--------------------------------|--------------------------|
| Insulation Material            | PVC - Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | 0.584 mm                 |
| Lay Length                     | 5.08 cm                  |
| Twists/ft.                     | 6                        |

Pair Color Code Chart :

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

**INNER SHIELD:**

|                       |            |
|-----------------------|------------|
| Inner Shield Material | Unshielded |
|-----------------------|------------|

**OUTER SHIELD:**

|                       |            |
|-----------------------|------------|
| Outer Shield Material | Unshielded |
|-----------------------|------------|

**OUTER JACKET:**

|                                     |                          |
|-------------------------------------|--------------------------|
| Outer Jacket Material               | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | 0.813 mm                 |

**OVERALL NOMINAL DIAMETER:**



**8471 Paired - High-Conductivity Copper Speaker Cable Twisted Jacketed Con**

|                          |         |
|--------------------------|---------|
| Overall Nominal Diameter | 6.96 mm |
|--------------------------|---------|

**MECHANICAL CHARACTERISTICS:**

|                                  |                          |
|----------------------------------|--------------------------|
| 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 | 271.34 N                 |
| Min. Bend Radius (Install)       | 129.54 mm                |

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification                | CMG                        |
| CEC/C(UL) Specification               | CMG                        |
| AWM Specification                     | UL Style 2598 (300 V 60°C) |
| EU CE Mark (Y/N)                      | Yes                        |
| EU RoHS Compliant (Y/N)               | Yes                        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005                 |

**FLAME TEST:**

|                  |                    |
|------------------|--------------------|
| UL Flame Test    | UL1685 FT4 Loading |
| C(UL) Flame Test | FT4                |

**PLENUM/NON-PLENUM:**

|              |   |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

**ELECTRICAL CHARACTERISTICS:**

|   |                               |
|---|-------------------------------|
| Nom. Inductance                                 | 0.604 µH/m                    |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 53.808 pF/m                   |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 14.732 Ohms/km                |
| Max. Operating Voltage - UL                     | 300 V RMS (UL AWM Style 2598) |
| Max. Recommended Current                        | 7.1 Amps per conductor @ 25°C |

**NOTES:**

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

**PUT-UPS AND COLORS:**

| Item          | Description        | Put-Up (M) | Ship Weight (kgs.) | Jacket Color | Notes |
|---------------|--------------------|------------|--------------------|--------------|-------|
| 8471 0601000  | 1 PR #16 PVC FRPVC | 304.8      | 19.522             | CHROME       | C     |
| 8471 060500   | 1 PR #16 PVC FRPVC | 152.4      | 9.08               | CHROME       | C     |
| 8471 060U1000 | 1 PR #16 PVC FRPVC | U304.8     | 18.614             | CHROME       |       |



## 8471 Paired - High-Conductivity Copper Speaker Cable Twisted Jacketed Con

|              |                       |        |       |        |  |
|--------------|-----------------------|--------|-------|--------|--|
| 8471 060U500 | 1 PR #16 PVC<br>FRPVC | U152.4 | 9.761 | CHROME |  |
|--------------|-----------------------|--------|-------|--------|--|

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 08-17-2005

© 2005 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("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 CDT Electronics Division believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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 CDT Electronics Division declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.