

## 8477 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacket Con



For more Information  
please call

1-800-Belden1



### Description:

12 AWG stranded (65x30) tinned copper conductors, PVC insulation, twisted pair, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	12	65x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.035

### Overall Cabling

Overall Nominal Diameter: 0.386 in.

### Pair

#### Pair Color Code Chart:

Number	Color
1	Black & White

#### Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.400	4.900

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +90°C
Non-UL Temperature Rating:	90°C (UL AWM Style 2587)
Bulk Cable Weight:	77 lbs/1000 ft.
Max. Recommended Pulling Tension:	150 lbs.
Min. Bend Radius (Install)/Minor Axis:	7.700 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL3R
AWM Specification:	UL Style 2587 (600 V 90°C)
EU CE Mark:	Yes

## 8477 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacket 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
MII Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 UL Loading
----------------	-------------------

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)
0.18

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
35

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.8

### Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	CL3R
600 V RMS	UL AWM Style 2587

### Max. Recommended Current:

Current
13 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** See NEC Guidelines for applicable CL3 voltage ratings.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8477 060U500	500 FT	41.500 LB	CHROME		2 #12 PVC FRPVC
8477 0601000	1,000 FT	87.000 LB	CHROME	C	2 #12 PVC FRPVC
8477 060500	500 FT	43.500 LB	CHROME	C	2 #12 PVC FRPVC

### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 09-18-2008

© 2010 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.

---

## 8477 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacket Con

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 73/23/EEC), as amended by directive 93/68/EEC.