Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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 (mm)
PVC - Polyvinyl Chloride	0.8128

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cabling

Overall Nominal Diameter: 9.804 mm

Pair

Pair Color Code Chart:

Number	Color	
1	Black & White	

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
60.95976	16.077

Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 90°C (UL AWM Style 2587)	-20°C To +90°C		
D !! O !! W ! !!			
Bulk Cable Weight: 114.591 Kg/Km			
Max. Recommended Pulling Tension: 667.230 N			
Min. Bend Radius (Install)/Minor Axis: 195.580 mm			

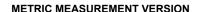
Applicable Specifications and Agency Compliance (Overall)

Applicable	Ctandarda	9 Environmo	ntal Programs
Abblicable	Standards	& Environme	ntai Programs

phodolo otalidado d Environmental i regiumo				
NEC/(UL) Specification:	CL3R			
AWM Specification:	UL Style 2587 (600 V 90°C)			
EU CE Mark:	Yes			

Page 1 of 3 06-30-2011

Detailed Specifications & Technical Data





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/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 114.835

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 5.9058

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8477 060U500	152 MT	18.824 KG	CHROME		2 #12 PVC FRPVC
8477 0601000	305 MT	39.463 KG	CHROME	С	2 #12 PVC FRPVC
8477 060500	152 MT	19.731 KG	CHROME	С	2 #12 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

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

© 2011 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

Page 2 of 3 06-30-201

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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

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

Page 3 of 3 06-30-2011