Detailed Specifications & Technical Data

ENGLISH 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 (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

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.