Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

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

For more Information
please call

1-800-Belden1

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 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

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CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2598 (300 V 60°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 FT4 Loading
CSA Flame Test:	FT4

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:

Current
7.1 Amps per conductor @ 25°C

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8471 060U1000	305 MT	17.237 KG	CHROME		1 PR #16 PVC FRPVC
8471 060U500	152 MT	8.845 KG	CHROME		1 PR #16 PVC FRPVC
8471 0601000	305 MT	18.144 KG	CHROME	C	1 PR #16 PVC FRPVC
8471 060500	152 MT	9.072 KG	CHROME	C	1 PR #16 PVC FRPVC
8471 0605000	1,524 MT	88.451 KG	CHROME		1 PR #16 PVC FRPVC
8471NH 010500	152 MT	5.897 KG	BLACK	C	2 #16 PO NHFRPO_

Notes:
C = CRATE REEL PUT-UP.

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