

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



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

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.023

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 (in.)
PVC - Polyvinyl Chloride	.032

Overall Cabling

Overall Nominal Diameter: 0.274 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & White

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	60°C (UL AWM Style 2598)
Bulk Cable Weight:	35.900 lbs/1000 ft.
Max. Recommended Pulling Tension:	61 lbs.
Min. Bend Radius (Install)/Minor Axis:	5.100 in.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
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
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
0.184

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
33

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.49

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2598)

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	1,000 FT	38.000 LB	CHROME		1 PR #16 PVC FRPVC
8471 060U500	500 FT	19.500 LB	CHROME		1 PR #16 PVC FRPVC
8471 0601000	1,000 FT	40.000 LB	CHROME	C	1 PR #16 PVC FRPVC
8471 060500	500 FT	20.000 LB	CHROME	C	1 PR #16 PVC FRPVC

Notes:


C = CRATE REEL PUT-UP.


Unshielded


Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm


18 AWG Stranded (19x30) Tinned Copper Conductors • Twisted Pair

Plenum • FEP Insulation • Red FEP Jacket														
	89740	NEC:	1	Black, Red	100	30.5	3.0	1.4	.006	.17	.009	.23	.136	3.45
		CMP			500 [†]	152.4	9.0	4.1						
		CEC: CMP FT6			1000 [†]	304.8	15.0	6.8						


Plenum • FEP Insulation • Red Fluorocopolymer Jacket														
	87740	NEC:	1	Black, Red	500 [†]	152.4	9.0	4.1	.006	.17	.011	.28	.140	3.56
		CMP			1000 [†]	304.8	15.0	6.8						
		CEC: CMP FT6												

Plenum • FEP Insulation • Natural Flamarrest® Jacket														
	82740	NEC:	1	Black, Red	U-1000	U-304.8	17.0	7.7	.006	.17	.015	.38	.147	3.73
		CMP			1000 [†]	304.8	16.0	7.3						
		CEC: CMP FT6												

16 AWG Stranded (19x29) Tinned Copper Conductors • Twisted Pair


PVC Insulation • Chrome PVC Jacket														
	8471	NEC:	1	Black, White	U-500	U-152.4	21.0	9.5	.023	.58	.032	.81	.274	6.96
		CMG			500	152.4	20.0	9.1						
		CEC: CMG FT4			U-1000	U-304.8	41.0	18.6						
					1000	304.8	43.0	19.5						

14 AWG Stranded (42x30) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	8473	NEC:	1	Black, White	U-500	U-152.4	29.0	13.2	.031	.79	.032	.81	.340	8.64
		CL3			500	152.4	30.5	13.9						
		CEC: FAS 90 FT4			1000	304.8	58.0	26.4						

See NEC Guidelines for applicable CL3 voltage ratings.

12 AWG Stranded (65x30) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	8477	NEC:	1	Black, White	U-500	U-152.4	41.5	18.8	.032	.81	.035	.89	.386	9.80
		CL3R			500	152.4	43.5	19.7						
					1000	304.8	85.0	38.6						

See NEC Guidelines for applicable CL3 voltage ratings.

[†]Spools are one piece, but length may vary ±10% from length shown.