

## 8442 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacketed Con



### Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pair, chrome PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.015

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

#### Overall Cabling

Overall Cabling Lay Length & Direction:

Length (in.)
1.5

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.170 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 13 lbs/1000 ft.

Max. Recommended Pulling Tension: 18 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.650 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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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

C(UL) Flame Test:	FT4
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### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88442, 82442

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)
.2

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.6

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8442 060U1000	1,000 FT	14.000 LB	CHROME		2 #22 PVC PVC
8442 060U500	500 FT	7.000 LB	CHROME		2 #22 PVC PVC
8442 060100	100 FT	1.900 LB	CHROME		2 #22 PVC PVC
8442 0601000	1,000 FT	13.000 LB	CHROME	C	2 #22 PVC PVC
8442 06010000	10,000 FT	130.000 LB	CHROME	C Y	2 #22 PVC PVC
8442 060500	500 FT	7.000 LB	CHROME		2 #22 PVC PVC

### Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

# Speaker Wire and Cable

Electrolytic Tough Pitch (ETP) High-Conductivity Copper Speaker Cables  
Twisted Jacketed Construction



19 • Brilliance® Broadcast

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

**22 AWG** Stranded (7x30) Tinned Copper Conductors • Conductors Cabled

PVC Insulation • Chrome PVC Jacket															
	300V RMS 60°C	<b>8442</b>	NEC:	2	Black,	100	30.5	2.4	1.0	.015	.38	.025	.64	.170	4.32
			CMG:		Red	U-500	U-152.4	7.5	3.4						
			CEC:			500	152.4	7.5	3.4						
			CMG FT4			U-1000	U-304.8	15.0	6.8						
						1000	304.8	15.0	6.8						
						10000	3048.0	150.0	68.2						

For Plenum versions of 8442, see 88442 or 82442.

**20 AWG** Stranded (7x28) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket															
	300V RMS 80°C	<b>8205</b>	NEC:	2	Black,	100	30.5	2.6	1.2	.013	.33	.025	.64	.180	4.57
			CMG:		Red	U-500	U-152.4	9.0	4.1						
			CEC:			500	152.4	9.0	4.1						
			CMG FT4			U-1000	U-304.8	17.0	7.7						
						1000	304.8	18.0	8.2						

**18 AWG** Stranded (7x26) Tinned Copper Conductors • Twisted Pair

PVC Insulation • Chrome PVC Jacket															
	300V RMS 80°C	<b>8461</b>	NEC:	2	Black,	100	30.5	3.2	1.4	.022	.56	.028	.71	.234	5.94
			CMG:		White	U-500	U-152.4	13.5	6.1						
			CEC:			500	152.4	13.5	6.1						
			CMG FT4			U-1000	U-304.8	26.0	11.8						
						1000	304.8	27.0	12.2						

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

PVC Insulation • Chrome PVC Jacket															
	UL AWM Style 2598 (300V 60°C) (80°C non-UL)	<b>8471</b>	NEC:	2	Black,	U-500	U-152.4	20.0	9.1	.023	.58	.032	.81	.274	6.96
			CMG:		White	500	152.4	20.0	9.1						
			CEC:			U-1000	U-304.8	38.0	17.2						
			CMG FT4			1000	304.8	40.0	18.2						

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

PVC Insulation • Chrome PVC Jacket															
	UL AWM Style 2587 (600V 90°C)	<b>8473</b>	NEC:	2	Black,	U-500	U-152.4	29.0	13.2	.031	.79	.032	.81	.340	8.64
			CL3		White	500	152.4	30.5	13.9						
			CEC:			1000	304.8	58.0	26.4						
			FAS 90 FT4												

See NEC Guidelines for applicable CL3 voltage ratings (300V RMS).

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

PVC Insulation • Chrome PVC Jacket															
	UL AWM Style 2587 (600V 90°C)	<b>8477</b>	NEC:	2	Black,	U-500	U-152.4	41.5	18.8	.032	.81	.035	.89	.386	9.80
			CL3R		White	500	152.4	43.5	19.7						
						1000	304.8	85.0	38.6						

See NEC Guidelines for applicable CL3 voltage ratings (300V RMS).