

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



For more Information  
please call

1-800-Belden1



### General 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

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.406

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
38.100	Left Hand	26.248

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 4.318 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 80.068 N

Min. Bend Radius/Minor Axis: 44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

NEC Articles: 800

CEC/C(UL) Specification: CMG

METRIC MEASUREMENT VERSION

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EU Directive 2011/65/EU (ROHS II):	Yes
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

### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/m)
0.6562

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
98.43

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
51.1836

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Description	Current
10C Temperature Rise	2.9 Amps per conductor @ 25°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8442 060U1000	305 MT	7.258 KG	CHROME		2 #22 PVC PVC
8442 060U500	152 MT	3.856 KG	CHROME		2 #22 PVC PVC
8442 060100	30 MT	0.998 KG	CHROME		2 #22 PVC PVC
8442 0601000	305 MT	7.258 KG	CHROME	C	2 #22 PVC PVC
8442 06010000	3,048 MT	72.575 KG	CHROME	C Y	2 #22 PVC PVC
8442 060500	152 MT	3.629 KG	CHROME		2 #22 PVC PVC
8442 0605000	1,524 MT	36.288 KG	CHROME	C Z	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'.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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