

## 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 |
|-----------------------|-----|

### 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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