

## 8477 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacket Con



For more Information  
please call

1-800-Belden1

**Description:**

12 AWG stranded (65x30) tinned copper conductors, PVC insulation, twisted pair, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 12  | 65x30     | TC - Tinned Copper |

Total Number of Conductors: 2

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.033                |

**Outer Shield****Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .035                      |

**Overall Cable**

Overall Nominal Diameter: 0.386 in.

**Pair****Pair Color Code Chart:**

| Number | Color         |
|--------|---------------|
| 1      | Black & White |

**Mechanical Characteristics (Overall)**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +90°C           |
| Non-UL Temperature Rating:        | 90°C (UL AWM Style 2587) |
| Bulk Cable Weight:                | 80 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 150 lbs.                 |
| Min. Bend Radius/Minor Axis:      | 4 in.                    |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                |                            |
|--------------------------------|----------------------------|
| NEC/(UL) Specification:        | CL3R                       |
| AWM Specification:             | UL Style 2587 (600 V 90°C) |
| 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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1666 Vertical Shaft

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)

0.18

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

35

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

## Max. Operating Voltage - UL:

| Voltage   | Description       |
|-----------|-------------------|
| 300 V RMS | CL3R              |
| 600 V RMS | UL AWM Style 2587 |

## Max. Recommended Current:

Current

13 Amps per conductor @ 25°C

## Notes (Overall)

Notes: See NEC Guidelines for applicable CL3 voltage ratings.

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc       |
|--------------|----------|-------------|--------|-------|-----------------|
| 8477 060U500 | 500 FT   | 41.500 LB   | CHROME |       | 2 #12 PVC FRPVC |
| 8477 0601000 | 1,000 FT | 87.000 LB   | CHROME | C     | 2 #12 PVC FRPVC |
| 8477 060500  | 500 FT   | 43.500 LB   | CHROME | C     | 2 #12 PVC FRPVC |
| 8477 0605000 | 5,000 FT | 410.000 LB  | CHROME | C Z   | 2 #12 PVC FRPVC |

## Notes:

C = CRATE REEL PUT-UP.

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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