

## 8461 Multi-Conductor - High-Conductivity Copper Speaker Cable Twisted Jacket Con

For more Information  
please call

1-800-Belden1

**General Description:**

18 AWG stranded (7x26) tinned copper conductors, PVC insulation, twisted pair, PVC jacket.

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

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 18  | 7x26      | TC - Tinned Copper |

Total Number of Conductors: 2

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

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.5588              |

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

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

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

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.686                    |

**Overall Cable**

Overall Nominal Diameter: 5.944 mm

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

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

**Pair Lay Length & Direction:**

| Lay Length (mm) | Twists (twist/m) | Direction |
|-----------------|------------------|-----------|
| 50.800          | 19.686           | Left Hand |

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +80°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius/Minor Axis: 63.500 mm

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

NEC/(UL) Specification: CL3, CMG

NEC Articles: 800, 725

CEC/C(UL) Specification: CMG

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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 |
|---------------|----|

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/m) |
|--------------------|
| 72.182             |

## Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 19.2267             |

## Max. Operating Voltage - UL:

| Voltage   |
|-----------|
| 300 V RMS |

## Max. Recommended Current:

| Description          | Current                               |
|----------------------|---------------------------------------|
| 10C Temperature Rise | 4.8 Amps per conductor @ 20°C ambient |

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc       |
|---------------|----------|-------------|--------|-------|-----------------|
| 8461 060U1000 | 1,000 FT | 28.000 LB   | CHROME |       | 2 #18 PVC FRPVC |
| 8461 060U500  | 500 FT   | 15.000 LB   | CHROME |       | 2 #18 PVC FRPVC |
| 8461 060100   | 100 FT   | 3.400 LB    | CHROME |       | 2 #18 PVC FRPVC |
| 8461 0601000  | 1,000 FT | 29.000 LB   | CHROME | C     | 2 #18 PVC FRPVC |
| 8461 060500   | 500 FT   | 14.500 LB   | CHROME | C     | 2 #18 PVC FRPVC |
| 8461 0605000  | 5,000 FT | 145.000 LB  | CHROME |       | 2 #18 PVC FRPVC |

## Notes:

C = CRATE REEL PUT-UP.

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