



Part Number: 8461

High-Conductivity Speaker Cable, (1 pr) 18 AWG (7x26) TC, PVC/PVC, CMG

[Request Sample](#)

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18 | 7x26 | TC - Tinned Copper | 1 |

| | |
|------------------------|--------|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |
| Conductor Size: | 18 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.022 in |

Color Chart

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

Outer Shield Material

| Material |
|------------|
| Unshielded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.234 in | 0.027 in |

Construction and Dimensions

Stranding

| Lay Direction | Twists |
|---------------|------------|
| Left Hand | 6 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 5.86 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 22 pF/ft |

| | |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

Current

| Element | Max. Recommended Current [A] |
|----------------------|---------------------------------------|
| 10C Temperature Rise | 4.8 Amps per conductor @ 20°C ambient |

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 24 lbs/1000ft

Max Recommended Pulling Tension: 45 lbs

Min Bend Radius/Minor Axis: 2.5 in

Standards

NEC Articles: 800, 725

NEC/(UL) Specification: CL3, CMG

CEC/C(UL) Specification: CMG

CPR Euroclass: Eca

Applicable Environmental and Other Programs

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

EU Directive 2003/96/EC (BFR): Yes

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

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

| Item # | Color | Footnote |
|---------------|--------|----------|
| 8461 060100 | Chrome | |
| 8461 0601000 | Chrome | C |
| 8461 060500 | Chrome | C |
| 8461 0605000 | Chrome | |
| 8461 060U1000 | Chrome | |
| 8461 060U500 | Chrome | |

Footnote: C - CRATE REEL PUT-UP.

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