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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**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
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#### 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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