



Part Number: 8461

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

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 Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

Cabling

Lay Length
2.0 in

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
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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
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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
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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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