



**Product:** [8649](#)

Speaker Cable, 2 Conductor 20 AWG BC, Unshielded, CM

**Product Description**  
2 Conductor 20 AWG stranded (7x28) ETP high-conductivity copper conductors, PVC insulation, parallel: (1) tinned, (1) bare, CM rated.

**Technical Specifications**

**Product Overview**

Suitable Applications:	Speaker Cable
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**Physical Characteristics (Overall)**

Conductor			
AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper (High Conductivity)	1
20	7x28	BC - Bare Copper	1
Conductor Count:		2	

Insulation	
Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.018 in

Outer Shield

Material
No Shield

Outer Jacket	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.073 x 0.146 in

**Electrical Characteristics**

Conductor DCR	
Nominal Conductor DCR	10.5 Ohm/1000ft

Inductance	
Nominal Inductance	0.2 µH/ft

Current	
Max. Recommended Current [A]	3.8 Amps per Conductor at 25°C

Voltage	
Non-UL Voltage Rating	300 V RMS

**Temperature Range**

Non-UL Temp Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	11 lbs/1000ft
Max. Pull Tension:	31 lbs
Min. Bend Radius/Minor Axis:	1.5 in

Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
8649 0601000	Chrome	Reel	1,000 ft	612825213857
8649 3681000	Clear, Transparent	Reel	1,000 ft	612825357797

History

Update and Revision:	Revision Number: 0.426 Revision Date: 02-15-2024
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