



**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
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.018 in

#### Outer Shield

<b>Material</b>
No Shield

#### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.073 x 0.146 in

### Electrical Characteristics

#### Conductor DCR

<b>Nominal Conductor DCR</b>
10.5 Ohm/1000ft

#### Inductance

<b>Nominal Inductance</b>
0.2 $\mu$ H/ft

#### Current

<b>Max. Recommended Current [A]</b>
3.8 Amps per Conductor at 25°C

#### Voltage

<b>Non-UL Voltage Rating</b>
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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