



**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 |
|------------------------|---------------|

#### 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

|                 |
|-----------------|
| <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 µH/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 |
|----------------|-----|

## 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 |
|-----------------------|-----|

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## 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: 0.424 Revision Date: 12-19-2022 |
|----------------------|--|

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