



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  |           | BC - Bare Copper                       | 1                 |

Conductor Count: 2

Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.018 in               |

Outer Shield Material

| Material  |
|-----------|
| No Shield |

Outer Jacket Material

| 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 $\mu$ H/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 Temp 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        |

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 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): | 2004-01-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

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

Part Number

Variants

| Item #       | Color              | Putup 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: 0.262 Revision Date: 06-24-2020 |
|----------------------|--------------------------------------------------|

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