

Product: [8408](#) 

Microphone Cable, 2 Conductor 16 AWG, TC



Product Description

16 AWG stranded (65x34) high-conductivity tinned copper conductors, EPDM rubber insulation, rayon braid, tinned copper braid shield (85% coverage), cotton wrap, CSPE - Chlorosulphonated Polyethylene heavy-duty jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|--------------------|------------------|-------------------|
| 16 | 65x34 | TC - Tinned Copper | 0.059 in | 2 |

| | |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|------------------|------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.133 in | 0.037 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |

Outer Shield

| Type | Material | Coverage [%] |
|-------|--------------------|--------------|
| Braid | Rayon® | 85% |
| Braid | Tinned Copper (TC) | 85% |

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness | Separator Material |
|---------------------------------------|------------------|------------------------|--------------------|
| CSPE - Chlorosulphonated Polyethylene | 0.38 in | 0.040 in | Cotton Serve |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|-----------------------|----------------------|--------------------------|
| 4 Ohm/1000ft | 4 Ohm/1000ft | | 2.4 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 30 pF/ft | 55 pF/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 59 Ohm |

Current

| Max. Recommended Current [A] |
|------------------------------|
| |

5.6 Amps per Conductor at 25°C (10°C Temperature Rise)

Voltage

Non-UL Voltage Rating

600 V RMS

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 60°C |
| Operating Temp Range: | -30°C To +60°C |

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 93 lbs/1000ft |
| Max. Pull Tension: | 150 lbs |
| Min. Bend Radius/Minor Axis: | 4 in |

Applicable Environmental and Other Programs

| | |
|--|-------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/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 |
| MIL Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|------------------|------|
| UL Flammability: | VW-1 |
|------------------|------|

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|-------------|-------|-------------|--------|--------------|
| 8408 001500 | Brown | Reel | 500 ft | 612825355274 |

Footnote: C - CRATE REEL PUT-UP.

History

| | |
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| Update and Revision: | Revision Number: 0.359 Revision Date: 09-24-2021 |
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