



Product: [1776](#)

Microphone Cable, 2 Conductor 20 AWG, TC

Product Description

20 AWG stranded (19x32) high-strength tinned alloy conductors, EPDM rubber insulation, rayon braid, high-strength tinned alloy braid shield (85% coverage), cotton wrap, EPDM jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|---------------------------|------------------|-------------------|
| 20 | 19x32 | TCA - Tinned Copper Alloy | 0.037 in | 2 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|------------------|------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.083 in | 0.023 in |

Color Chart

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

Outer Shield Material

| Type | Layer | Material | Coverage [%] |
|-------|-------|--------------------|--------------|
| Braid | 1 | Tinned Copper (TC) | 85% |
| Braid | 2 | Rayon® | 85% |

| | |
|--------------|-------------|
| Table Notes: | Cotton Wrap |
|--------------|-------------|

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Separator Material |
|---|------------------|------------------------|--------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.262 in | 0.035 in | Cotton Serve |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|-----------------------|----------------------|--------------------------|
| 11.5 Ohm/1000ft | 11.5 Ohm/1000ft | | 6.2 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 33 pF/ft | 58 pF/ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 4 A |

Voltage

| |
|------------------------------|
| Non-UL Voltage Rating |
| 600 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 90°C |
| Operating Temp Range: | -50°C To +90°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 44 lbs/1000ft |
| Max. Pull Tension: | 250 lbs |
| Min Bend Radius/Minor Axis: | 2.75 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 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): | 2011-07-20 |
| 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 |
|-------------|-------|------------|--------|--------------|
| 1776 010250 | Black | Reel | 250 ft | 612825122289 |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.305 Revision Date: 09-30-2020 |
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