



REPRESENTATIVE IMAGE

Product: [8425](#)

Microphone Cable, 5 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt, Flexible

Product Description

Microphone Cable, 5 Conductor 20 AWG (26 x 34) Tinned Copper (High Conductivity), EPDM Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, Cotton Serve, EPDM Jacket, Flexible

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Ruggedized, deployable microphone for studio or live performance; Balanced analog audio |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--|
| Conductor(s) | 5 | 20 | 26x34 | TC - Tinned Copper (High Conductivity) |

Insulation

| Element | Material | Thickness | Nom. Insulation Diameter | Color Code |
|--------------|---|--------------------|--------------------------|--------------------------------|
| Conductor(s) | EPDM - Ethylene Propylene Diene Monomer | 0.023 in (0.58 mm) | 0.083 in (2.1 mm) | Black, White, Green, Red, Blue |

Outer Shield Material

| Shield Type | Material | Coverage |
|---------------|-----------------------------|-----------|
| Braid + Braid | Rayon® + Tinned Copper (TC) | 85% + 85% |

Outer Jacket Material

| Separator | Material | Thickness | Nom. Diameter |
|--------------|---|--------------------|---------------|
| Cotton Serve | EPDM - Ethylene Propylene Diene Monomer | 0.032 in (0.81 mm) | 0.318 in |

| | |
|---------------------------|--------------------|
| Cable Diameter (Nominal): | 0.318 in (8.08 mm) |
|---------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedance | Max. Current |
|--------------|-------------------------------|-------------------------------|---|-------------------------------|--------------------------------|
| Conductor(s) | 10.2 Ohm/1000ft (33.5 Ohm/km) | 30 pF/ft (98 pF/m) | 55 pF/ft (180 pF/m) | 52 Ohm | 3.2 Amps per Conductor at 25°C |

| | |
|------------------------|----------------|
| Nom. Outer Shield DCR: | 3.5 Ohm/1000ft |
|------------------------|----------------|

Voltage

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

Mechanical Characteristics

Temperature

| Operating |
|----------------|
| -50°C to +90°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.2 in (81 mm) | 3.2 in (81 mm) |

| | |
|--------------------|---------------------------|
| Max. Pull Tension: | 110 lbs (50 kg) |
| Bulk Cable Weight: | 69 lbs/1000ft (100 kg/km) |

Standards and Compliance

| | |
|--------------------------------|---|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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| Update and Revision: | Revision Number: 0.345 Revision Date: 06-08-2021 |
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