



**Product:** [8425](#)

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

REPRESENTATIVE IMAGE

## 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      | No. of Elements | Size   | Stranding | Material                               |
|--------------|-----------------|--------|-----------|--|
| Conductor(s) | 5               | 20 AWG | 26x34     | TC - Tinned Copper (High Conductivity) |

#### Insulation

| Element      | Material                                | Nom. 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

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

#### Outer Jacket

| Separator    | Material                                | Nom. Thickness     | Nom. Diameter      |
|--------------|---|--------------------|--------------------|
| Cotton Serve | EPDM - Ethylene Propylene Diene Monomer | 0.032 in (0.81 mm) | 0.318 in (8.08 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall 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    | 30 pF/ft (98 pF/m)            | 55 pF/ft (180 pF/m)                             | 52 Ohm                        | 3.2 Amps per Conductor at 25°C |

#### Voltage

| 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   |

## 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

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.496 Revision Date: 01-20-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #      | Color | Putup Type | Length | UPC          | Footnote |
|-------------|-------|------------|--------|--------------|----------|
| 8425 010100 | Black | Reel       | 100 ft | 612825206811 |          |
| 8425 010250 | Black | Reel       | 250 ft | 612825206828 | C        |

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