



Product: [8427](#)

Microphone Cable, 7 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt, Flexible

REPRESENTATIVE IMAGE

Product Description

Microphone Cable, 7 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) | 7 | 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, Brown, Green, Red, Yellow, 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 | 0.041 in (1.0 mm) | 0.355 in (9.02 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.355 in (9.02 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 | 2.8 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. |
|-----------------|-------------------|
| | |

3.6 in (91 mm) 3.6 in (91 mm)

Max. Pull Tension: 143 lbs (64.9 kg)

Bulk Cable Weight: 89 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: 0.493 Revision Date: 01-20-2023

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|-------------|-------|------------|--------|--------------|----------|
| 8427 010100 | Black | Reel | 100 ft | 612825206859 | |
| 8427 010250 | Black | Reel | 250 ft | 612825206873 | C |

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