



REPRESENTATIVE IMAGE

**Product:** [8418](#)

Microphone Cable, 8 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt, Flexible

**Product Description**

Microphone Cable, 8 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) | 8                 | 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  | 0.083                    | Black, White, Brown, Green, Red, Yellow, Orange, 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 | 0.037 in  | 0.381 in      |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.381 in |
|---------------------------|----------|

**Electrical Characteristics**

**Electricals**

| Element               | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Max. Current                   |
|-----------------------|--------------------|-------------------------------|---|--------------------------|--------------------------------|
| Conductor(s)          | 10.2 Ohm/1000ft    | 30 pF/ft                      | 55 pF/ft  | 52 Ohm                   | 2.8 Amps per Conductor at 25°C |
| Nom Outer Shield DCR: | 2.4 Ohm/1000ft     |                               |   |                          |                                |

**Voltage**

|                              |
|------------------------------|
| <b>Non-UL Voltage Rating</b> |
| 600 V                        |

**Mechanical Characteristics**

**Temperature**

|                  |
|------------------|
| <b>Operating</b> |
| -50°C to +90°C   |

**Bend Radius**

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.8 in          | 3.8 in            |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 164 lbs        |
| Bulk Cable Weight: | 100 lbs/1000ft |

## Standards and Compliance

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.346 Revision Date: 09-30-2020 |
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