



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      | No. of Elements | Size   | Stranding | Material                               |
|--------------|-----------------|--------|-----------|----------------------------------------|
| Conductor(s) | 8               | 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, Orange, 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 | 0.037 in (0.94 mm) | 0.381 in (9.68 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.381 in (9.68 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | 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. |
|-----------------|-------------------|
|-----------------|-------------------|

|                    |                   |
|--------------------|-------------------|
| 3.8 in (97 mm)     | 3.8 in (97 mm)    |
| Max. Pull Tension: | 164 lbs (74.4 kg) |
| Bulk Cable Weight: | 100 lbs/1000ft    |

Standards and Compliance

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:     | Indoor (Not Riser or Plenum), Indoor                                                                                      |
| CPR Compliance:                | CPR Euroclass: Fca                                                                                                        |
| 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: 0.506 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #      | Color | Putup Type | Length | UPC          | Footnote |
|-------------|-------|------------|--------|--------------|----------|
| 8418 010100 | Black | Reel       | 100 ft | 612825206491 |          |
| 8418 010250 | Black | Reel       | 250 ft | 612825355281 | C        |

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