



Product: [8412](#)

Microphone Cable, 2 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt

Product Description

Microphone Cable, 2 Conductor 20 AWG (26 x 34) Tinned Copper (High conductivity), EPDM Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, Cotton Serve, EPDM Jacket

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) | 2               | 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)        | White, Black |

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 | 0.035 in (0.89 mm) | 0.262 in (6.65 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.262 in (6.65 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) | 10.6 Ohm/1000ft    | 33 pF/ft (110 pF/m)           | 58 pF/ft (190 pF/m)                             | 67 Ohm                        | 4 Amps per conductor @ 25°C |

Voltage

| Voltage Rating |
|----------------|
| 600 V          |

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
|-----------------|-------------------|

|                    |                 |
|--------------------|-----------------|
| 2.6 in (66 mm)     | 2.6 in (66 mm)  |
| Max. Pull Tension: | 100 lbs (45 kg) |
| Bulk Cable Weight: | 44 lbs/1000ft   |

Standards and Compliance

|                                |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:     | Indoor (Not Riser or Plenum), Indoor                                         |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)                                              |
| Plenum Number:                 | 8412P                                                                        |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.522 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color       | Putup Type | Length   | UPC          | Footnote |
|---------------|-------------|------------|----------|--------------|----------|
| 8412 010100   | Black       | Reel       | 100 ft   | 612825206361 |          |
| 8412 010250   | Black       | Reel       | 250 ft   | 612825206385 |          |
| 8412 010500   | Black       | Reel       | 500 ft   | 612825206330 | C        |
| 8412 010U500  | Black       | UnReel     | 500 ft   | 612825396987 |          |
| 8412 0101000  | Black       | Reel       | 1,000 ft | 612825206378 | C        |
| 8412 010U1000 | Black       | UnReel     | 1,000 ft | 612825206347 |          |
| 8412 0061000  | Blue, Light | Reel       | 1,000 ft | 612825206354 | C        |
| 8412 0021000  | Red         | Reel       | 1,000 ft | 612825206316 | C        |
| 8412 0041000  | Yellow      | Reel       | 1,000 ft | 612825206323 | C        |

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