



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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.521 Revision Date: 02-15-2024 |
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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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