



Product: [8424](#)

Microphone Cable, Star Quad, 4 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt, Flexible

Product Description

Microphone Cable, Star Quad, 4 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 |
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Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|--|
| Conductor(s) | 4 | 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, Red, Green |

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 | 0.036 in (0.91 mm) | 0.294 in (7.47 mm) |

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|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.294 in (7.47 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedance | Nom. Velocity of Prop. | Max. Current |
|--------------|--------------------|-------------------------------|-------------------------------|------------------------|-------------------------------|
| Conductor(s) | 10.2 Ohm/1000ft | 47 pF/ft (150 pF/m) | 52 Ohm | 52% | 3.2 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. |
|-----------------|-------------------|
|-----------------|-------------------|

| | |
|----------------|----------------|
| 2.9 in (74 mm) | 2.9 in (74 mm) |
|----------------|----------------|

| | |
|--------------------|----------------|
| Max. Pull Tension: | 87 lbs (39 kg) |
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| | |
|--------------------|---------------|
| Bulk Cable Weight: | 61 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

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|----------------------------|--------------------------------------|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
|----------------------------|--------------------------------------|

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|--------------------------------|---|
| 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) |
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|------------------|---------------------------------|
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
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Product Notes

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|--------|---|
| Notes: | Quad connection scheme: The black and red wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the white and green wires (or remaining wires) are connected together to form the second conductor. Outer Shield Separator Material: Cotton Wrap |
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History

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| Update and Revision: | Revision Number: 0.465 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------------|-------|------------|----------|--------------|
| 8424 010100 | Black | Reel | 100 ft | 612825206606 |
| 8424 010250 | Black | Reel | 250 ft | 612825206620 |
| 8424 010500 | Black | Reel | 500 ft | 612825206583 |
| 8424 010U500 | Black | UnReel | 500 ft | 612825206804 |
| 8424 0101000 | Black | Reel | 1,000 ft | 612825206613 |

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