

# Product: 8404

Microphone Cable, Star Quad, 4 C #20 Str TC, Rayon & 85% TC Braid, PVC Jkt

## Product Description

Microphone Cable, Star Quad, 4 Conductor 20 AWG (19 x 32) Tinned Copper (High conductivity), PE Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, PVC jacket

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | Low frequency microphone or musical instruments; Balanced analog audio; Low Noise for high-EMI environments |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 4 | 20 AWG | 19x32 | TC - Tinned Copper (High Conductivity) |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | PE - Polyethylene | 0.016 in (0.41 mm) | 0.069 in (1.8 mm) | Clear, Black, Red, Green |

**Outer Shield**

| Shield Type | Material | Coverage |
|---|---|---|
| Braid | Rayon® | 85% |
| Braid | Tinned Copper (TC) | 85% |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.252 in (6.40 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.252 in (6.40 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedence | Nom. Inductance | Nom. Velocity of Prop. | Max. Current |
|---|---|---|---|---|---|---|
| Conductor(s) | 10.2 Ohm/1000ft | 23 pF/ft (75 pF/m) | 45 Ohm | 0.2 µH/ft (0.66 µH/m) | 66% | 3.1 Amps per conductor @ 25°C |

| | |
|---|---|
| Nom Outer Shield DCR@Cond DCR1-cnv: | 3.23 Ohm/1000ft (10.6 Ohm/km) |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 60°C | -20°C to +60°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 2.5 in (64 mm) | 2.5 in (64 mm) |

| | |
|---|---|
| Max. Pull Tension: | 100 lbs (45 kg) |
| Bulk Cable Weight: | 46 lbs/1000ft |

## Standards and Compliance

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|---|---|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Flammability / Reaction to Fire: | VW-1 |
| AWM Compliance: | AWM 2094 |
| 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) |

## Product Notes

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|---|---|
| Notes: | Overall cabling separator material: Rayon braid. Quad connection scheme: The two blue wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the two white wires (or remaining wires) are connected together to form the second conductor. |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.498 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 8404 060100 | Chrome | Reel | 100 ft | 612825206187 | |
| 8404 060500 | Chrome | Reel | 500 ft | 612825206163 | C |
| 8404 0601000 | Chrome | Reel | 1,000 ft | 612825206194 | C |
| 8404 060U1000 | Chrome | UnReel | 1,000 ft | 612825206200 | |

| | |
|---|---|
| Footnote: | C - CRATE REEL PUT-UP. |

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