

Product: [8403](#)

Microphone Cable, 3 Conductor 20 AWG, TC



Product Description

20 AWG stranded (19x32) high-conductivity tinned copper conductors, polyethylene insulation, rayon braid, TC braid shield (90% cerage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|---------------------------------|------------------|-------------------|
| 20 | 19x32 | High Conductivity Tinned Copper | 0.037 in | 3 |

Conductor Count: 3

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|-------------------|------------------|------------------------|
| PE - Polyethylene | 0.069 in | 0.016 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Clear |
| 2 | Black |
| 3 | Red |

Outer Shield Material

| Type | Material | Coverage [%] |
|-------|--------------------|--------------|
| Braid | Rayon | |
| Braid | TC - Tinned Copper | 90 % |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Separator Material |
|--------------------------|------------------|------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.244 in | 0.033 in | Cotton Serve |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|--|--------------------------|
| 10.2 Ohm/1000ft | 10.2 Ohm/1000ft | 3.5 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 25 pF/ft | 45 pF/ft |

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 3.1 Amps per conductor @ 25°C |

Voltage

UL Voltage Rating

600 V RMS

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 80°C |
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 41 lbs/1000ft |
| Max Recommended Pulling Tension: | 111 lbs |
| Min Bend Radius/Minor Axis: | 2.5 in |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-----------|
| UL Flammability: | VW-1 |
| UL voltage rating: | 600 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number**Variants**

| Item # | Color | Putup Type | Length | UPC |
|--------------|--------|------------|----------|--------------|
| 8403 060500 | Chrome | Reel | 500 ft | 612825206170 |
| 8403 0601000 | Chrome | Reel | 1,000 ft | 612825206156 |

Footnote:

C - CRATE REEL PUT-UP.

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.304 Revision Date: 04-28-2020 |
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