

Product: [9398](#) 

Microphone Cable, 3 Conductor 24 AWG, BC



Product Description

24 AWG stranded (105x44) high-conductivity bare copper conductors, PVC insulation, double bare copper spiral shield (95% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|--------------------------------------|------------------|-------------------|
| 24 | 105x44 | BC - Bare Copper (High Conductivity) | 0.024 in | 3 |

| | |
|------------------|---|
| Conductor Count: | 3 |
|------------------|---|

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.048 in | 0.012 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | White |
| 2 | Green |
| 3 | Brown |

Outer Shield

| Type | Material | Coverage [%] |
|-----------------------|------------------|--------------|
| Spiral Serve / Screen | Bare Copper (BC) | 95% |

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.185 in | 0.03 in |

Electrical Characteristics

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 40 pF/ft | 110 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.19 μ H/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 47 Ohm |

Current

| Max. Recommended Current [A] |
|------------------------------|
| |

3.36 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

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

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 23 lbs/1000ft |
| Max. Pull Tension: | 45 lbs |
| Min. Bend Radius/Minor Axis: | 2 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 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | No |
| MIL Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------|
| UL voltage rating: | 300 V RMS |
|--------------------|-----------|

Plenum/Non-Plenum

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

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|--------------|--------------|-------------|----------|--------------|
| 9398 B591000 | Black, Matte | Reel | 1,000 ft | 612825239956 |

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.385 Revision Date: 12-20-2022 |
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