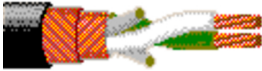


Product: [9397](#) 

Microphone Cable, 2 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         | 2                 |

Conductor Count: 2

Insulation

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

Outer Shield

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

Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.176 in         | 0.031 in               |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance |
|-----------------------|--------------------------------------------|
| 24.6 Ohm/1000ft       | 24.6 Ohm/1000ft                            |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 47.3 pF/ft                              | 110 pF/ft                                               |

Inductance

| Nominal Inductance |
|--------------------|
| 0.19 µH/ft         |

Impedance

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

Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 3.36 Amps per Conductor at 25°C |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 300 V RMS             |

Temperature Range

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

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 22 lbs/1000ft |
| Max. Pull Tension:           | 10 lbs        |
| Min. Bend Radius/Minor Axis: | 1.75 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:                                  | Yes                           |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

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

Plenum/Non-Plenum

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

Part Number

Variants

| Item #       | Color        | Put-Up Type | Length                 | UPC          |
|--------------|--------------|-------------|------------------------|--------------|
| 9397 B59500  | Black, Matte | Reel        | 500 ft                 | 612825239949 |
| 9397 B591000 | Black, Matte | Reel        | 1,000 ft               | 612825239932 |
| Footnote:    |              |             | C - CRATE REEL PUT-UP. |              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.368 Revision Date: 09-24-2021 |
|----------------------|--------------------------------------------------|

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