

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

Product Overview

| | |
|----------------------|------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
|----------------------|------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|------------------------------------|------------------|-------------------|
| 24 | 105x44 | High Conductivity BC - Bare Copper | 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 Material

| Type | Material | Coverage [%] |
|---------------------|------------------|--------------|
| Double Spiral Serve | BC - Bare Copper | 95 % |

Outer Jacket Material

| 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 µH/ft |

Impedance

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

Current

| Max. Recommended Current [A] |
|--------------------------------|
| 3.36 Amps per conductor @ 25°C |

Voltage

| 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: | 23 lbs/1000ft |
| Max Recommended Pulling Tension: | 45 lbs |
| Min Bend Radius/Minor Axis: | 2 in |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| 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: | No |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|--------------|--------------|--------------|------------------------|----------|
| 9398 B591000 | Black, Matte | 612825239956 | 1,000 ft | C |
| Footnote: | | | C - CRATE REEL PUT-UP. | |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.295 Revision Date: 01-31-2020 |
|----------------------|--|

© 2020 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.