



Product: [1812A](#)



Microphone Cable, 2 Conductor 24 AWG, BC

Product Description

24 AWG stranded (42x40) high-conductivity BC conductors, PVC insulation, double bare copper spiral shield (95% coverage), PVC outer jacket.

Technical Specifications

Product Overview

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| Suitable Applications: | Ruggedized, deployable microphone for studio or live performance; Balanced analog audio |
|------------------------|-----------------------------------------------------------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material                             | Nominal Diameter | No. of Conductors |
|-----|-----------|--------------------------------------|------------------|-------------------|
| 24  | 42x40     | BC - Bare Copper (High Conductivity) | 0.024 in         | 2                 |

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.047 in         | 0.0115 in              |

Inner Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.122 in         | 0.013 in               |

Outer Shield

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

Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.213 in         | 0.037 in               |
|                          | 0.037 in         |                        |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|-----------------------|----------------------|--------------------------|
| 23.3 Ohm/1000ft       | 23.3 Ohm/1000ft       |                      | 5.3 Ohm/1000ft           |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 33 pF/ft                                | 54 pF/ft                                                |

Inductance

| Nominal Inductance |
|--------------------|
| 0.196 µH/ft        |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 100 V RMS             |

Temperature Range

|                              |                |
|------------------------------|----------------|
| Non-UL Temp Rating:          | 60°C           |
| Operating Temperature Range: | -30°C To +60°C |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 30 lbs/1000ft |
| Max. Pull Tension:           | 10 lbs        |
| Min. Bend Radius/Minor Axis: | 2.25 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 |
|---------------|----|

Related Part Numbers

Variants

| Item #         | Color        | Put-Up Type         | Length   | UPC          |
|----------------|--------------|---------------------|----------|--------------|
| 1812A B59328   | Black, Matte | Reel                | 328 ft   | 612825123354 |
| 1812A B591000  | Black, Matte | Reel                | 1,000 ft | 612825123347 |
| 1812A B59N1000 | Black, Matte | Reel w/Small Barrel | 1,000 ft | 612825367116 |
| 1812A G7X1000  | Blue, Matte  | Reel                | 1,000 ft | 612825123385 |
| 1812A G7XN1000 | Blue, Matte  | Reel w/Small Barrel | 1,000 ft | 612825367109 |
| 1812A G7W1000  | Green, Matte | Reel                | 1,000 ft | 612825123378 |
| 1812A G7WN1000 | Green, Matte | Reel w/Small Barrel | 1,000 ft | 612825367093 |
| 1812A G7V328   | Red, Matte   | Reel                | 328 ft   | 612825123361 |
| 1812A G7VN1000 | Red, Matte   | Reel w/Small Barrel | 1,000 ft | 612825367086 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.370 Revision Date: 02-15-2024 |
|----------------------|--------------------------------------------------|

© 2024 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.