


**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

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material                      | Nominal Diameter | No. of Conductors |
|-----|-----------|-------------------------------|------------------|-------------------|
| 24  | 42x40     | High Conductivity Bare Copper | 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

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

##### Outer Shield Material

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

##### Outer Jacket Material

| 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 $\mu$ H/ft   |

##### Voltage

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

## Temperature Range

|                       |                |
|-----------------------|----------------|
| Non-UL Temp Rating:   | 60°C           |
| Operating Temp 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 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 |
|-----------------------|-----|

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #         | Color        | Putup 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: 0.278 Revision Date: 04-28-2020 |
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