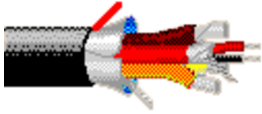




Product: [1518C](#)



Audio Snake Cable, #24-32pr, TC, Indiv. Shielded, CM

### Product Description

Audio Snake Cable, CM-Rated, 32-24 AWG tinned copper pairs, polyolefin insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, overall Beldfoil® shield, drain, flexible PVC jacket

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material           | Nominal Diameter | No. of Pairs |
|-----|-----------|--------------------|------------------|--------------|
| 24  | 7x32      | TC - Tinned Copper | 0.024 in         | 32           |

|                        |    |
|------------------------|----|
| Conductor Count:       | 64 |
| Total Number of Pairs: | 32 |

##### Insulation

| Material           | Nominal Diameter | Nominal Wall Thickness |
|--------------------|------------------|------------------------|
| PP - Polypropylene | 0.04 in          | 0.008 in               |

##### Color Chart

| Number | Color       |
|--------|-------------|
| 1      | Brown       |
| 2      | Red         |
| 3      | Orange      |
| 4      | Yellow      |
| 5      | Green       |
| 6      | Blue        |
| 7      | Purple      |
| 8      | Gray        |
| 9      | White       |
| 10     | Black       |
| 11     | Tan         |
| 12     | Pink        |
| 13     | Gray/Brown  |
| 14     | Gray/Red    |
| 15     | Gray/Orange |
| 16     | Gray/Yellow |
| 17     | Gray/Green  |
| 18     | Gray/Blue   |
| 19     | Gray/Purple |
| 20     | Gray/Gray   |
| 21     | Gray/White  |
| 22     | Gray/Black  |
| 23     | Gray/Tan    |
| 24     | Gray/Pink   |
| 25     | Blue/Brown  |
| 26     | Blue/Red    |

|    |             |
|----|-------------|
| 27 | Blue/Orange |
| 28 | Blue/Yellow |
| 29 | Blue/Green  |
| 30 | Blue/Blue   |
| 31 | Blue/Purple |
| 32 | Blue/Gray   |

#### Color Chart 2

|               |
|---------------|
| Color         |
| Red and Black |

#### Inner Shield

| Type | Material                | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil®           | 100%         | TC - Tinned Copper | 0.024 in           | 24            | 7x32                         |

#### Inner Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.113 in         | 0.015 in               |

#### Outer Shield

| Type | Material                | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil®           | 100%         | TC - Tinned Copper | 0.046 in           | 18            | 7x26                         |

#### Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.897 in         | 0.07 in                | Yes     |

## Electrical Characteristics

#### Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance |
|------------------------------------|-----------------------|-----------------------|----------------------|
| 15.9 Ohm/1000ft                    | 23.3 Ohm/1000ft       | 23.3 Ohm/1000ft       |                      |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 31 pF/ft                                | 58 pF/ft  |

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.18 µH/ft         |

#### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 50 Ohm                           |

#### Delay

| Nominal Velocity of Propagation (VP) [%] |
|--|
| 66%                                      |

#### Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 1.05 Amps per Conductor at 25°C |

#### Voltage

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

## Temperature Range

|                              |                |
|------------------------------|----------------|
| Operating Temperature Range: | -35°C To +75°C |
|------------------------------|----------------|

## Mechanical Characteristics

|                    |                |
|--------------------|----------------|
| Bulk Cable Weight: | 441 lbs/1000ft |
| Max. Pull Tension: | 550.4 lbs      |

|                              |         |
|------------------------------|---------|
| Min. Bend Radius/Minor Axis: | 8.75 in |
|------------------------------|---------|

## Standards

|                       |     |
|-----------------------|-----|
| NEC/(UL) Compliance:  | CM  |
| CEC/C(UL) Compliance: | CM  |
| CPR Euroclass:        | Eca |

## 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 |
|-----------------------|-----|

## 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          |
|---------------|--------------|-------------|----------|--------------|
| 1518C B59500  | Black, Matte | Reel        | 500 ft   | 612825116936 |
| 1518C B591000 | Black, Matte | Reel        | 1,000 ft | 612825116929 |

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.337 Revision Date: 02-03-2025 |
|----------------------|--|

© 2025 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.