



Product: [1916A](#) 

Audio Snake Cable, #24-16pr, BC, Indiv. Shielded

Product Description

Audio Snake Cable, 16-24 AWG bare copper pairs, polyolefin insulation, individually shielded with double serve "French Braid", drain, numbered/color-coded PVC jackets, flexible PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Pairs |
|-----|-----------|------------------|------------------|--------------|
| 24  | 41x40     | BC - Bare Copper | 0.0225 in        | 16           |

|                        |    |
|------------------------|----|
| Conductor Count:       | 32 |
| Total Number of Pairs: | 16 |

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     | Lt Gray/Brown  |
| 14     | Lt Gray/Red    |
| 15     | Lt Gray/Orange |
| 16     | Lt Gray/Yellow |

Color Chart 2

| Number | Color       |
|--------|-------------|
| 1      | Red & Black |

Inner Shield

| Type         | Material         | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|--------------|------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| French Braid | Bare Copper (BC) | 95%          | TC - Tinned Copper | 0.025 in           | 24            | 19x26                        |

Inner Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.119 in         | 0.014 in               |

Outer Shield

| Material  |
|-----------|
| No Shield |

Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.683 in         | 0.077 in               |

Construction and Dimensions

Stranding

| Twists      |
|-------------|
| 12 twist/ft |

Electrical Characteristics

Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance |
|------------------------------------|-----------------------|--------------------------------------------|
| 7.2 Ohm/1000ft                     | 25.5 Ohm/1000ft       | 25.5 Ohm/1000ft                            |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 26.1 pF/ft                              | 47.5 pF/ft                                              |

Inductance

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

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 60 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 Temp Range: | -20°C To +60°C |
|-----------------------|----------------|

Mechanical Characteristics

|                              |                |
|------------------------------|----------------|
| Bulk Cable Weight:           | 255 lbs/1000ft |
| Max. Pull Tension:           | 470 lbs        |
| Min. Bend Radius/Minor Axis: | 6.9 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:                 | No  |
| III 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 |
|---------------|----|

Part Number

Variants

| Item #        | Color        | Put-Up Type | Length   | UPC          |
|---------------|--------------|-------------|----------|--------------|
| 1916A B59250  | Black, Matte | Reel        | 250 ft   | 612825126720 |
| 1916A B59500  | Black, Matte | Reel        | 500 ft   | 612825126737 |
| 1916A B591000 | Black, Matte | Reel        | 1,000 ft | 612825126713 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.343 Revision Date: 09-24-2021 |
|----------------------|--------------------------------------------------|

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