


**Product:** [1814WB](#) 



Audio Snake Cable, #22-2pr, TC, Individ. Shielded, Waterblocked

### Product Description

Audio Snake Cable, 2-22 AWG tinned copper pairs, polyolefin insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, waterblocking tape, HDPE jacket

### Technical Specifications

#### Product Overview

|                        |                                      |
|------------------------|--------------------------------------|
| Suitable Applications: | Outdoor Applications, Sports Stadium |
|------------------------|--------------------------------------|

#### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material           | Nominal Diameter | No. of Pairs |
|-----|-----------|--------------------|------------------|--------------|
| 22  | 7x30      | TC - Tinned Copper | 0.03 in          | 2            |

|                        |   |
|------------------------|---|
| Conductor Count:       | 4 |
| Total Number of Pairs: | 2 |

**Insulation**

| Material           | Nominal Diameter | Nominal Wall Thickness |
|--------------------|------------------|------------------------|
| PP - Polypropylene | 0.05 in          | 0.01 in                |

**Color Chart**

| Number | Color |
|--------|-------|
| 1      | Brown |
| 2      | Red   |
| 1-1    | Red   |
| 1-2    | Black |
| 2-1    | Red   |
| 2-2    | Black |

**Inner Shield Material**

| Type | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 0.030 in           | 22            | 7x30                         |

**Inner Jacket Material**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.133 in         | 0.015 in               |

**Outer Shield Material**

| Type               | Layer | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|--------------------|-------|-------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| Tape               | 1     | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 0.030 in           | 22            | 7x30                         |
| Waterblocking Tape | 2     |             |                     | 100 %        |                    |                    |               |                              |

**Outer Jacket Material**

| Material          | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|-------------------|------------------|------------------------|---------|
| PE - Polyethylene | 0.362 in         | 0.030 in               | Yes     |

|                           |      |
|---------------------------|------|
| OuterJacket1, Table Note: | HDPE |
|---------------------------|------|

## Electrical Characteristics

### Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR |
|------------------------------------|-----------------------|--|--------------------------|
| 14.1 Ohm/1000ft                    | 14.8 Ohm/1000ft       | 14.8 Ohm/1000ft                            | 11.8 Ohm/1000ft          |

### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 31 pF/ft                                | 56 pF/ft  |

### Inductance

| Nominal Inductance |
|--------------------|
| 0.18 $\mu$ H/ft    |

### Impedance

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

### Delay

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

### Current

| Max. Recommended Current [A]   |
|--------------------------------|
| 1.45 Amps per conductor @ 25°C |

### Voltage

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

## Temperature Range

|                       |                |
|-----------------------|----------------|
| Operating Temp Range: | -20°C To +60°C |
|-----------------------|----------------|

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 52 lbs/1000ft |
| Max Recommended Pulling Tension: | 64 lbs        |
| Min Bend Radius/Minor Axis:      | 3.75 in       |

## Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| Environmental Space:                  | Indoor/Outdoor                |
| 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): | 2011-10-03                    |
| MII Order #39 (China RoHS):           | Yes                           |

## Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Aerial:              | Yes |
| Suitability - Burial:              | Yes |
| Suitability - Indoor:              | Yes |
| Suitability - Outdoor:             | Yes |
| Suitability - Sunlight Resistance: | Yes |

## Flammability, LS0H, Toxicity Testing

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

## Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6541PA |

## Part Number

### Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 1814WB 010500  | Black | Reel       | 500 ft   | 612825123446 |
| 1814WB 0101000 | Black | Reel       | 1,000 ft | 612825123439 |
| 1814WB 0102000 | Black | Reel       | 2,000 ft | 612825438229 |

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

## Product Notes

|        |  |
|--------|--|
| Notes: | Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination. |
|--------|--|

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.252 Revision Date: 04-28-2020 |
|----------------------|--|

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