



Product: [1816R](#)

Audio Snake Cable, 6pr 22 AWG, TC, Indiv. Shielded, CMR

Product Description

Audio Snake Cable, 6 pair 22 AWG tinned copper, polyolefin insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, PVC jacket, CMR rated.

Technical Specifications

Product Overview

|                        |              |
|------------------------|--------------|
| Suitable Applications: | Analog audio |
|------------------------|--------------|

Physical Characteristics (Overall)

| Conductor              |           |                    |                  |              |
|------------------------|-----------|--------------------|------------------|--------------|
| AWG                    | Stranding | Material           | Nominal Diameter | No. of Pairs |
| 22                     | 7x30      | TC - Tinned Copper | 0.029 in         | 6            |
| Conductor Count:       |           |                    | 12               |              |
| Total Number of Pairs: |           |                    | 6                |              |

| Insulation         |                  |
|--------------------|------------------|
| Material           | Nominal Diameter |
| PP - Polypropylene | 0.05 in          |

| Color Chart |           |
|-------------|-----------|
| Number      | Color     |
| 1           | Brown     |
| 2           | Red       |
| 3           | Orange    |
| 4           | Yellow    |
| 5           | Green     |
| 6           | Blue      |
| Pairs       | Red & Blk |

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

| Inner Jacket Material    |                  |
|--------------------------|------------------|
| Material                 | Nominal Diameter |
| PVC - Polyvinyl Chloride | 0.133 in         |

| Outer Shield Material |             |                     |              |                    |                    |               |                              |                         |
|-----------------------|-------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|-------------------------|
| Type                  | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D | Drainwire Position      |
| Tape                  | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 0.048 in           | 18            | 19x30                        | Under outer shield tape |

| Outer Jacket Material    |                  |         |
|--------------------------|------------------|---------|
| Material                 | Nominal Diameter | Ripcord |
| PVC - Polyvinyl Chloride | 0.462 in         | Yes     |

Electrical Characteristics

Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Outer Shield DCR |
|------------------------------------|-----------------------|--------------------------|
| 14.1 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 µH/ft         |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 2 Amps per conductor @ 25°C  |

Voltage

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

Temperature Range

|                       |                |
|-----------------------|----------------|
| Operating Temp Range: | -30°C To +60°C |
|-----------------------|----------------|

Mechanical Characteristics

|                                  |                |
|----------------------------------|----------------|
| Bulk Cable Weight:               | 120 lbs/1000ft |
| Max Recommended Pulling Tension: | 131 lbs        |
| Min Bend Radius/Minor Axis:      | 4.6 in         |

Standards

|                         |     |
|-------------------------|-----|
| NEC/(UL) Specification: | CMR |
| CPR Euroclass:          | Eca |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| Environmental Space:                  | Indoor - Riser                |
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/11/EC (BFR):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                                    |  |
|------------------------------------|--|
| Suitability - Aerial:              | Yes - Black only, when supported by messenger wire |
| Suitability - Burial:              | No   |
| Suitability - Hazardous Locations: | No   |
| Suitability - Indoor:              | Yes  |
| Suitability - Outdoor:             | Yes - Black only                                   |

Flammability, LS0H, Toxicity Testing

|                       |               |
|-----------------------|---------------|
| UL Flammability:      | UL1666 Riser  |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating:    | 300 V RMS     |

Plenum/Non-Plenum

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

|                |       |
|----------------|-------|
| Plenum Number: | 1816P |
|----------------|-------|

Part Number

Variants

| Item #        | Color | Putup Type | Length   | UPC          |
|---------------|-------|------------|----------|--------------|
| 1816R 010500  | Black | Reel       | 500 ft   | 612825123552 |
| 1816R 0101000 | Black | Reel       | 1,000 ft | 612825123545 |
| 1816R 0102000 | Black | Reel       | 2,000 ft | 612825438281 |
| 1816R 0104000 | Black | Reel       | 4,000 ft | 612825438298 |
| 1816R 0105000 | Black | Reel       | 5,000 ft | 612825438182 |

|           |                        |
|-----------|------------------------|
| 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. Ripcord under overall jacket. |
|--------|--|

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.315 Revision Date: 04-28-2020 |
|----------------------|--|

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