



Product: [1801B](#)

Digital Audio Cable, 1 Pr #24 Str TC, O/A Foil, Flamarrest® Jkt, CMP

Product Description

Digital Audio Cable, 1 Pair, 24 AWG (7 x 32) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, Flamarrest® Jacket, CMP

Technical Specifications

Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Digital audio, Interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles |
|------------------------|--|

Construction Details

Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 24 AWG | 7x32      | TC - Tinned Copper |

Insulation

| Element | Material                                    | Nom. Thickness     | Nom. Insulation Diameter | Color Code  |
|---------|---|--------------------|--------------------------|-------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene (Foam) | 0.021 in (0.53 mm) | 0.066 in (1.7 mm)        | Red & Black |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.165 in (4.19 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.165 in (4.19 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current                  |
|---------|--------------------|-------------------------------|---|-------------------------------|------------------------|-------------------------------|
| Pair(s) | 28.8 Ohm/1000ft    | 12 pF/ft (39 pF/m)            | 26 pF/ft (85 pF/m)                              | 110 Ohm                       | 78%                    | 3.8 Amps per conductor @ 30°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP)       |

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C to +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.7 in (43 mm)  | 1.7 in (43 mm)    |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 16.5 lbs (7.48 kg) |
| Bulk Cable Weight: | 12 lbs/1000ft      |

Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor - Plenum, Indoor   |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910), FT6, IEC 60332-1-2   |
| CPR Compliance:                  | CPR Euroclass: Eca  |
| NEC / UL Compliance:             | Article 800, CMP  |
| CEC / C(UL) Compliance:          | CMP   |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark   |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)   |
| Other Standard Compliance(s):    | AES/EBU   |
| Non-Plenum Number:               | 1800B   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.510 Revision Date: 02-15-2024 |
|----------------------|--|

Part Numbers

Variants

| Item #         | Color      | Putup Type | Length   | UPC          | Footnote |
|----------------|------------|------------|----------|--------------|----------|
| 1801B 0081000  | Gray       | Reel       | 1,000 ft | 612825416661 |          |
| 1801B 877500   | Natural    | Reel       | 500 ft   | 612825122968 | C        |
| 1801B 8771000  | Natural    | Reel       | 1,000 ft | 612825122951 | C        |
| 1801B 877U1000 | Natural    | UnReel     | 1,000 ft | 612825122944 |          |
| 1801B 8775000  | Natural    | Reel       | 5,000 ft | 612825430056 |          |
| 1801B Z4B500   | Violet Z4B | Reel       | 500 ft   | 612825122937 |          |
| 1801B Z4B1000  | Violet Z4B | Reel       | 1,000 ft | 612825122920 | C        |
| 1801B Z4BU1000 | Violet Z4B | UnReel     | 1,000 ft | 612825122913 |          |

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