



REPRESENTATIVE IMAGE

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 | Number of Element | 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 Impedance | Nom. Velocity of Prop. | Max. Current |
|---------|-------------------------------|-------------------------------|---|-------------------------------|------------------------|--------------------------------|
| Pair(s) | 23.7 Ohm/1000ft (77.8 Ohm/km) | 12 pF/ft (39 pF/m) | 26 pF/ft (85 pF/m) | 110 Ohm | 78% | 2.75 Amps per conductor @ 25°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 (18 kg/km) |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | AES/EBU |
| Non-Plenum Number: | 1800B |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.355 Revision Date: 04-08-2022 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|------------|------------|----------|--------------|
| 1801B 0081000 | Gray | Reel | 1,000 ft | 612825416661 |
| 1801B 877500 | Natural | Reel | 500 ft | 612825122968 |
| 1801B 8771000 | Natural | Reel | 1,000 ft | 612825122951 |
| 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 |
| 1801B Z4BU1000 | Violet Z4B | UnReel | 1,000 ft | 612825122913 |

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