



**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
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**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)
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**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: 0.507 Revision Date: 01-20-2023
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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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