



**Product:** [1800B](#) 

Digital Audio Cable, 1 Pr #24 Str TC, O/A Foil, PVC Jkt, CMR

## Product Description

Digital Audio Cable, 1 Pair 24 AWG (7 x 32) Tinned Copper, Datalene® Insulation, Overall Beldfoil® Shield, PVC Jacket, CMR

## 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	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	Notes
Pair(s)	PE - Polyethylene (Foam)	0.022 in (0.56 mm)	0.068 in (1.7 mm)	Red & Black	HDPE

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.023 in (0.58 mm)	0.185 in (4.70 mm)

Overall Cable Diameter (Nominal):	0.185 in (4.70 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 Impedance	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
Pair(s)	28.8 Ohm/1000ft (94.5 Ohm/km)	12 pF/ft (39 pF/m)	26 pF/ft (85 pF/m)	110 Ohm	0.18 µH/ft (0.59 µH/m)	76%	3.8 Amps per conductor @ 30°C

Nom Outer Shield DCR:	17.42 Ohm/1000ft (57.15 Ohm/km)
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#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss (Attenuation) [dB/100ft]
0.384	0.69
0.7056	0.93
0.768	0.96
1.024	1.07
1.4112	1.19
1.536	1.21
2.048	1.31
2.8224	1.41
3.072	1.45
4.096	1.57

5.6448	1.76
6.144	1.83
8.192	2.01
11.2896	2.24
12.188	2.3
24.576	3.08

#### Voltage

UL Voltage Rating
300 V (CMR)

## Mechanical Characteristics

#### Temperature

UL Temperature	Operating
60°C	-30°C to +60°C

#### Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	16.5 lbs (7.48 kg)
Bulk Cable Weight:	16 lbs/1000ft (24 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMR
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
Plenum Number:	1801B

## Product Notes

Notes:	For cross-connect use with 1803F (et al.) Digital Audio Snake Cables.
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## History

Update and Revision:	Revision Number: 0.682 Revision Date: 02-20-2026
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1800B T5X5000	Gray	Reel	5,000 ft	612825427995	
1800B T5X500	Gray T5X	Reel	500 ft	612825122791	C
1800B T5X1000	Gray T5X	Reel	1,000 ft	612825122784	C
1800B T5XU1000	Gray T5X	UnReel	1,000 ft	612825122777	
1800B 0071000	Violet	Reel	1,000 ft	612825122814	C
1800B 007U1000	Violet	UnReel	1,000 ft	612825122807	
1800B 0075000	Violet	Reel	5,000 ft	612825427988	

Footnote:	C - CRATE REEL PUT-UP.
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