



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
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

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

Outer Jacket1 Table Notes:	Jacket and shield are bonded so both can be removed with automatic stripping equipment.
Overall Cable Diameter (Nominal):	0.185 in (4.70 mm)

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	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@Cond DCR1-cnv:		17.42 Ohm/1000ft (57.15 Ohm/km)					

High Frequency (Nominal/Typical)

Nom. Insertion Loss (Attenuation)
0.69 dB/100ft
0.93 dB/100ft
0.96 dB/100ft
1.07 dB/100ft
1.19 dB/100ft
1.21 dB/100ft
1.31 dB/100ft
1.41 dB/100ft

1.45 dB/100ft
1.57 dB/100ft
1.76 dB/100ft
1.83 dB/100ft
2.01 dB/100ft
2.24 dB/100ft
2.3 dB/100ft
3.08 dB/100ft

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

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), 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.

History

Update and Revision:	Revision Number: 0.523 Revision Date: 09-07-2025
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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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