



Product: [1801BD](#)

Audio Snake Cable, 2 Pair 24 AWG, TC, Individually Shielded, CMP

Product Description

Digital Audio Snake Cable, Plenum-CMP, 2-24 AWG tinned copper pairs, foam FEP insulation, Flamarrest® jacket, Parallel construction

Technical Specifications

Product Overview

Suitable Applications:	Recording Studio, Radio Broadcast, Sports Stadium, Nurse Call
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	2

Conductor Count:	4
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Insulation

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.066 in

Color Chart

Number	Color
1	Red & Black
2	White & Blue

Inner Shield Material

Type	Material	Material Trade Name	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	TC - Tinned Copper	24

Outer Shield Material

Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	24	7x32

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.165 x 0.345 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
23.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
12 pF/ft	26 pF/ft

Inductance

Nominal Inductance
0.18 μ H/ft

Impedance

Nominal Characteristic Impedance
110 Ohm

High Frequency (Nominal/Typical)

Nom. Insertion Loss
0.82 dB/100ft
1.01 dB/100ft
1.02 dB/100ft
1.08 dB/100ft
1.15 dB/100ft
1.16 dB/100ft
1.23 dB/100ft
1.34 dB/100ft
1.38 dB/100ft
1.58 dB/100ft
1.79 dB/100ft
1.85 dB/100ft
2.05 dB/100ft
2.34 dB/100ft
2.43 dB/100ft
3.33 dB/100ft

High Freq

Frequency [MHz]
0.384 MHz
0.7056 MHz
0.768 MHz
1.024 MHz
1.4112 MHz
1.536 MHz
2.048 MHz
2.8224 MHz
3.072 MHz
4.096 MHz
5.6448 MHz
6.144 MHz
8.192 MHz
11.2896 MHz
12.288 MHz
24.576 MHz

Current

Max. Recommended Current [A]
2.9 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-20°C To +60°C
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Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	33 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
Other Compliance:	AES/EBU

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1801BD 8771000	Natural	Reel	1,000 ft	612825122982
1801BD Z4B1000	Violet Z4B	Reel	1,000 ft	612825122975

Product Notes

Notes:	Teflon® is a registered trademark of Chemours and is used under license by Belden, Inc.
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History

Update and Revision:	Revision Number: 0.287 Revision Date: 09-30-2020
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