



**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

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

#### Outer Shield

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

#### Outer Jacket

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 $\mu$ 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

#### Delay

Nominal Velocity of Propagation (VP) [%]
78%

#### High Frequency

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 Temperature Range:	-20°C To +60°C
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#### Mechanical Characteristics

UV Resistance:	No
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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 Specification:	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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
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, LS0H, Toxicity Testing

UL voltage rating:	300 V RMS
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## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Related Part Numbers

### Variants

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

## Product Notes

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

Update and Revision:	Revision Number: 0.375 Revision Date: 02-03-2025
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