



Product: [1801BS4](#)

Audio Snake Cable, #24-4pr, TC, Individ. Shielded, CMP

Product Description

Digital Audio Snake Cable, Plenum-CMP, 4-24 AWG tinned copper pairs, foam FEP insulation, individually shielded with Beldfoil® bonded to numbered/color-coded Flammarrest® jackets so both strip simultaneously, Banana Peel 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	4

Conductor Count:	8
Total Number of Pairs:	4

Insulation

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.066 in	0.021 in

Color Chart

Number	Color
1	Red & Black

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.024 in	24	7x32

Outer Jacket

Material	Nominal Diameter
Banana Peel (No Overall Jacket)	
	0.398 in
	0.398 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
23.7 Ohm/1000ft	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)

Frequency [MHz]	Nom. Insertion Loss
0.384 MHz	0.82 dB/100ft
0.7056 MHz	1.01 dB/100ft
0.768 MHz	1.02 dB/100ft
1.024 MHz	1.08 dB/100ft
1.4112 MHz	1.15 dB/100ft
1.536 MHz	1.16 dB/100ft
2.048 MHz	1.23 dB/100ft
2.8224 MHz	1.34 dB/100ft
3.072 MHz	1.38 dB/100ft
4.096 MHz	1.58 dB/100ft
5.6448 MHz	1.79 dB/100ft
6.144 MHz	1.85 dB/100ft
8.192 MHz	2.05 dB/100ft
11.2896 MHz	2.34 dB/100ft
12.288 MHz	2.43 dB/100ft
24.576 MHz	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]

2.75 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Installation Temperature Range:	0°C To +60°C
Operating Temperature Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	56 lbs/1000ft
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Max. Pull Tension:	66 lbs
Min. Bend Radius/Minor Axis:	4 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 2003/11/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 - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1801BS4 8771000	Natural	Reel	1,000 ft	612825123002
1801BS4 Z4B1000	Violet Z4B	Reel	1,000 ft	612825122999

Product Notes

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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History

Update and Revision:	Revision Number: 0.333 Revision Date: 04-08-2022
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