



**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 Flamarrest® 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 Material

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

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

<b>Nominal Inductance</b>
0.18 $\mu$ H/ft

**Impedance**

<b>Nominal Characteristic Impedance</b>
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

**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
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6.144 MHz
8.192 MHz
11.2896 MHz
12.288 MHz
24.576 MHz

**Current**

<b>Max. Recommended Current [A]</b>
2.75 Amps per Conductor at 25°C

**Voltage**

<b>UL Voltage Rating</b>
300 V RMS

**Temperature Range**

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

**Mechanical Characteristics**

Bulk Cable Weight:	56 lbs/1000ft
Max. Pull Tension:	66 lbs
Min Bend Radius/Minor Axis:	4 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 2003/11/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):	2005-10-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## 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
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: 0.253 Revision Date: 02-16-2021
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