



Product: [1802B](#)

Audio Cable, 2 Pair 24 AWG, TC, CMR

### Product Description

Digital Audio Cable, 2 pair 24 AWG stranded tinned copper with Datalene® insulation, Beldfoil® shield, drain, CMR PVC jacket, parallel construction.

### Technical Specifications

#### Product Overview

Suitable Applications:	Multi-channel interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles; Live events or studio sound; Analog audio
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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
Total Number of Pairs:	2

##### Insulation

Material	Material Trade Name	Nominal Diameter
PE - Polyethylene (Foam)	Datalene®	0.68 in

##### Color Chart

Number	Color
1	Red & Black
2	Red & Black

##### Inner Shield

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

Table Notes:	Indiv. Foil tapes bonded to inner jacket
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##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	.180 x .360 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

0.69 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

## Delay

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

76%

## 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

UL Temp Rating: 60°C

Operating Temperature Range: -30°C To +60°C

## Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	33 lbs/1000ft
Max. Pull Tension:	33 lbs
Min. Bend Radius/Minor Axis:	2 in

## Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMR
CPR Euroclass:	Eca
Other Specification:	AES/EBU

## Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or 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, LSOH, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	UPC
1802B 010N1000	Black	Reel w/Small Barrel	1,000 ft	612825123071
1802B Z4B5000	Violet	Reel	5,000 ft	612825430018
1802B Z4B500	Violet Z4B	Reel	500 ft	612825123064
1802B Z4B1000	Violet Z4B	Reel	1,000 ft	612825123057
1802B Z4BU1000	Violet Z4B	UnReel	1,000 ft	612825123040
1802B Z4BN1000	Vio Z4B	Reel w/Small Barrel	1,000 ft	612825123033

Footnote: C - CRATE REEL PUT-UP.

## Product Notes

Notes:	For cross-connect use with 1803F (et al.) Digital Audio Snake Cables. The jacket and shield are bonded so both can be removed on automatic stripping equipment.
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## History

Update and Revision:	Revision Number: 0.479 Revision Date: 01-10-2024
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