



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

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 Material

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

Material
No Shield

Outer Jacket Material

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 μ 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

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]

2.75 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating: 60°C

Operating Temp 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
Other Compliance:	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 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

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup 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.
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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: 0.308 Revision Date: 08-25-2020
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