



**Part Number:** 1802B

Audio Cable, #24-2pr, TC, O/A Foil, CMG

## Product Description

Digital Audio Cable, CMG-Rated, 2-24 AWG stranded tinned copper pairs with Datalene® insulation, Beldfoil® shield, drain, PVC jacket, parallel construction

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	2
Total Number of Conductors:			4	

#### Insulation:

Material	Material Trade Name
FHDPE - Foam High Density Polyethylene	Datalene®

#### Color Chart 1:

Number	Color
1	Red & Black
2	Red & Black

#### Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Bonded Aluminum Foil-Polyester Tape	Beldfoil®	100 %	0.024 mm	24	7x32 mm
					TC - Tinned Copper	

#### Outerjacket 1:

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

### 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 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 @ 25°C

Inductance:

Nominal Inductance
0.18 µH/ft

Voltage:

UL Voltage Rating
300V RMS V

Use

Max Recommended Pulling Tension:	33 lbs
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Safety

CSA Flammability:	FT4
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Temperature Range

Operating Temp Range:	-30°C To +60°C °C
UL Temp Rating:	60°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMG
Other Specification:	AES/EBU
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

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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Product Variants

Part Number	Color	Put-Up Type	Length
1802B			
1802B			
1802B	VIOLET Z4B	Reel	1000 ft
1802B	VIO Z4B	Reel	305 m
1802B Z4B1000	VIOLET Z4B	Reel	1000 ft
1802B	VIOLET Z4B	Reel	500 ft
1802B	VIO Z4B	Reel	152 m
1802B Z4B500	VIOLET Z4B	Reel	500 ft
1802B			
1802B			
1802B	VIOLET Z4B	UnReel	1000 ft
1802B	VIO Z4B	UnReel	305 m
1802B Z4BU1000	VIOLET Z4B	UnReel	1000 ft
1802B			

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