



**Product:** [1802F](#)

Audio Snake, 2 PR 24 AWG TC, CMG

## Product Description

Audio Snake, 2 PR 24 AWG TC stranded (7x32), FHDPE insulation, individually bonded, shielded and jacketed pairs with overall shield plus drain wire, CMG rating, PVC jacket with rip cord.

## 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	Nominal Wall Thickness
PE - Polyethylene (Foam)	Datalene®	0.068 in	0.022 in

#### Color Chart

Number	Color
1	Brown and Numbered 1
2	Red and Numbered 2

#### Inner 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	Stranded

Table Notes:	Indiv. Foil tapes bonded to inner jacket
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#### Inner Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.167 in	0.014 in

#### 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	0.060 in	16	Stranded

#### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.409 in	0.034 in	Yes

### 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
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12 pF/ft	26 pF/ft
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**Inductance**

**Nominal Inductance**

0.18 µH/ft

**Impedance**

**Nominal Characteristic Impedance**

110 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
0.384 MHz	0.69 dB/100ft
0.7056 MHz	0.93 dB/100ft
0.768 MHz	0.96 dB/100ft
1.024 MHz	1.07 dB/100ft
1.4112 MHz	1.19 dB/100ft
1.536 MHz	1.21 dB/100ft
2.048 MHz	1.31 dB/100ft
2.8224 MHz	1.41 dB/100ft
3.072 MHz	1.45 dB/100ft
4.096 MHz	1.57 dB/100ft
5.6448 MHz	1.76 dB/100ft
6.144 MHz	1.83 dB/100ft
8.192 MHz	2.01 dB/100ft
11.2896 MHz	2.24 dB/100ft
12.288 MHz	2.3 dB/100ft
24.576 MHz	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

Bulk Cable Weight:	69 lbs/1000ft
Max. Pull Tension:	73 lbs
Min. Bend Radius/Minor Axis:	4.25 in

## Standards

NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
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 2003/11/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:	Yes
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:	FT4
UL Flammability:	UL1685 FT4 Loading
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
1802F Z4B500	Vio Z4B	Reel	500 ft	612825123095
1802F Z4B1000	Vio Z4B	Reel	1,000 ft	612825123088

## Product Notes

Notes:	Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.
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## History

Update and Revision:	Revision Number: 0.250 Revision Date: 04-08-2022
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