



**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 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	Stranded

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

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

**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	0.060 in	16	Stranded

**Outer Jacket Material**

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
12 pF/ft	26 pF/ft

#### Inductance

Nominal Inductance
0.18 $\mu$ H/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

#### 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

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 Compliance:	AES/EBU

## Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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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## Part Number

### Variants

Item #	Color	Putup 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: 0.168 Revision Date: 02-16-2021
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