
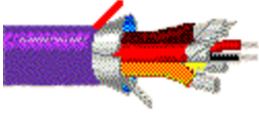


**Product:** [1806F](#) 

Audio Snake Cable, #24-12pr, TC, Indiv. Shielded, CMG



**Product Description**

Digital Audio Snake Cable, CMG-Rated, 12-24 AWG tinned copper pairs, Datalene® insulation, individually shielded with Beldfoil, numbered/color-coded PVC jackets, flexible PVC jacket

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	12

Conductor Count:	24
Total Number of Pairs:	12

**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
3	Orange and Numbered 3
4	Yellow and Numbered 4
5	Green and Numbered 5
6	Blue and Numbered 6
7	Purple and Numbered 7
8	Gray and Numbered 8
9	White and Numbered 9
10	Black and Numbered 10
11	Tan and Numbered 11
12	Pink and Numbered 12

**Inner Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	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	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	0.829 in	0.069 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	0.29 dB/100ft
0.706 MHz	0.71 dB/100ft
0.768 MHz	0.77 dB/100ft
1.024 MHz	0.94 dB/100ft
1.411 MHz	1.1 dB/100ft
1.536 MHz	1.1 dB/100ft
2.048 MHz	1.3 dB/100ft
2.822 MHz	1.4 dB/100ft
3.072 MHz	1.4 dB/100ft
4.096 MHz	1.5 dB/100ft
5.645 MHz	1.7 dB/100ft
6.144 MHz	1.8 dB/100ft
8.192 MHz	2 dB/100ft
11.29 MHz	2.2 dB/100ft
12.288 MHz	2.3 dB/100ft
24.576 MHz	3.1 dB/100ft

### Delay

Nominal Velocity of Propagation (VP) [%]
76%

### High Freq

Frequency [MHz]
0.384 MHz
0.706 MHz
0.768 MHz
1.024 MHz
1.411 MHz
1.536 MHz
2.048 MHz
2.822 MHz
3.072 MHz
4.096 MHz
5.645 MHz
6.144 MHz
8.192 MHz
11.29 MHz
12.288 MHz
24.576 MHz

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	288 lbs/1000ft
Max. Pull Tension:	200 lbs
Min Bend Radius/Minor Axis:	8.5 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:	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 - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1806F Z4B2500	Violet	Reel	2,500 ft	612825438199
1806F Z4B500	Violet Z4B	Reel	500 ft	612825123200
1806F Z4B1000	Violet Z4B	Reel	1,000 ft	612825123194

Footnote:	C - CRATE REEL PUT-UP.
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## 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: 0.257 Revision Date: 04-28-2020
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