



Part Number: 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

Construction and Dimensions

Conductor:

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

Insulation:

Material	Material Trade Name	Nominal Diameter
FHDPE - Foam High Density Polyethylene	Datalene®	0.068 in

Color Chart 1:

Number	Color
1	Red & Black
2	Red & Black
3	Red & Black
4	Red & Black
5	Red & Black
6	Red & Black
7	Red & Black
8	Red & Black
9	Red & Black
10	Red & Black
11	Red & Black
12	Red & Black

Color Chart 3:

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

Innershield:

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

Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.167 in

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	16	Stranded mm

Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.829 in	Yes

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

Inductance:

Nominal Inductance
0.18 μ H/ft

Use

Max Recommended Pulling Tension:	200 lbs
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Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	8.5 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:	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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Product Variants

Part Number	Color	Put-Up Type	Length
1806F	VIOLET Z4B	Reel	1000 ft
1806F	VIO Z4B	Reel	305 m
1806F Z4B1000	VIOLET Z4B	Reel	1000 ft
1806F	VIOLET Z4B	Reel	500 ft
1806F	VIO Z4B	Reel	152 m
1806F Z4B500	VIOLET Z4B	Reel	500 ft
1806F			

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