



**Part Number: 1805F**

**Audio Snake Cable, #24-8pr, TC, Individ. Shielded, CMG**

## Product Description

Digital Audio Snake Cable, CMG-Rated, 8-24 AWG tinned copper pairs, Datalene® insulation, individually shielded with Beldfoil, numbered/color-coded PVC jackets, flexible PVC jacket

## Technical Specifications

### Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	8

Conductor Count:	16
Total Number of Pairs:	8
Conductor Size:	24 AWG

#### Insulation

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

#### Color Chart

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

#### Inner Shield Material

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

#### Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.167 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.661 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

Shielding: Individually Foiled + No Overall

### Inductance

Nominal Inductance
0.18 $\mu$ H/ft

### Impedance

Nominal Characteristic Impedance
110 Ohm

### High Frequency (Nominal/Typical)

Nom. Insertion Loss
0.46 dB/100ft
0.67 dB/100ft
0.7 dB/100ft
0.84 dB/100ft
1.03 dB/100ft
1.09 dB/100ft
1.3 dB/100ft
1.66 dB/100ft
1.76 dB/100ft
2.23 dB/100ft
2.9 dB/100ft
3.07 dB/100ft
3.71 dB/100ft
4.53 dB/100ft
4.78 dB/100ft
7.11 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

### Voltage

<b>UL Voltage Rating</b>
300V RMS

## Temperature Range

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

## Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	195 lbs/1000ft
Max Recommended Pulling Tension:	137 lbs
Min Bend Radius/Minor Axis:	6.75 in

## Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca
PMSHA Specification:	Yes
Other Specification:	AES/EBU

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
UL Voltage Rating:	300 V RMS

## Plenum/Non-Plenum

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

### Variants

Item #	Color	Footnote
1805F Z4B1000	VIOLET Z4B	C
1805F Z4B500	VIOLET Z4B	C

Footnote:	C - CRATE REEL PUT-UP.
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