



Part Number: 1803F

Audio Snake Cable, #24-4pr, TC, Individ. Shielded, CMG

Product Description

Digital Audio Snake Cable, CMG-Rated, 4-24 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	4

Conductor Count:	8
Total Number of Pairs:	4
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

Inner Shield Material

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

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/Polyester	Beldfoil®	100 %	TC - Tinned Copper	16	Stranded mm

Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.488 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

Inductance**Nominal Inductance**0.18 μ H/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

Current**Max. Recommended Current [A]**

2.75 Amps per conductor @ 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

UV Resistance:	No
Bulk Cable Weight:	100 lbs/1000ft
Max Recommended Pulling Tension:	82.5 lbs
Min Bend Radius/Minor Axis:	5 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca
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, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length	Footnote
1803F B591000	Black, Matte	612825123101	1,000 ft	
1803F B591000	Black, Matte		305 m	

1803F Z4B5000	Violet	612825431213	5,000 ft	
1803F Z4B5000	Violet	612825431213	5,000 ft	
1803F Z4B1000	Violet Z4B	612825123118	1,000 ft	C
1803F Z4B500	Violet Z4B	612825123125	500 ft	C

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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