
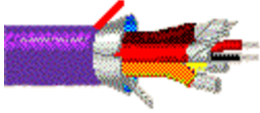


**Product:** [1850F](#) 



Audio Snake Cable, #24-16pr, TC, Indiv. Shielded, CMG

**Product Description**

Digital Audio Snake Cable, CMG-Rated, 16-24 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	16

Conductor Count:	32
Total Number of Pairs:	16

**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
13	Gray/Brown Stripe and Numbered 13
14	Gray/Red Stripe and Numbered 14
15	Gray/Orange Stripe and Numbered 15
16	Gray/Yellow Stripe and Numbered 16

**Color Chart 2**

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
13	Red & Black
14	Red & Black
15	Red & Black
16	Red & Black

#### 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

#### 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	0.944 in	0.078 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 µH/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

## 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

## 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:	367 lbs/1000ft
Max. Pull Tension:	264 lbs
Min Bend Radius/Minor Axis:	9.5 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

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
1850F Z4B500	Violet Z4B	Reel	500 ft	612825124436
1850F Z4B1000	Violet Z4B	Reel	1,000 ft	612825124429

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: 0.278 Revision Date: 02-16-2021
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