



Product: [1854F](#)

Digital Multi-Pair Snake, 24 AWG, 32 Pair, CMG

Product Description

Audio Snake Cable, 32 Pair 24 AWG stranded (7x32) tinned copper, Datalene® foam high density polyethylene insulation, individually shielded with bonded Beldfoil®, drain wire and have numbered and color-coded PVC jackets, overall Beldfoil® shield and drain wire, CMG rated overall PVC jacket with nylon rip cord.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	32

Total Number of Pairs: 32

Insulation

Material
PE - Polyethylene (Foam)

Bonded-Pair: No

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
17	Gray/Green Stripe and Numbered 17
18	Gray/Blue Stripe and Numbered 18
19	Gray/Purple Stripe and Numbered 19
20	Gray/Gray Stripe and Numbered 20
21	Gray/White Stripe and Numbered 21
22	Gray/Black Stripe and Numbered 22
23	Gray/Tan Stripe and Numbered 23
24	Gray/Pink Stripe and Numbered 24
25	Blue/Brown Stripe and Numbered 25

26	Blue/Red Stripe and Numbered 26
27	Blue/Orange Stripe and Numbered 27
28	Blue/Yellow Stripe and Numbered 28
29	Blue/Green Stripe and Numbered 29
30	Blue/Blue Stripe and Numbered 30
31	Blue/Purple Stripe and Numbered 31
32	Blue/Gray Stripe and Numbered 32

Inner Shield Material

Type	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Beldfoil®	100%	TC - Tinned Copper	24

Inner Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.167 in	No

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	16

Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	1.210 in	Yes

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
27.7 Ohm/km

Capacitance

Nom. Mutual Capacitance
12.0 pF/ft

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
0.384 MHz	1.0 dB/100m
0.706 MHz	2.3 dB/100m
0.768 MHz	2.5 dB/100m
1.024 MHz	3.1 dB/100m
1.411 MHz	3.6 dB/100m
1.536 MHz	3.6 dB/100m
2.048 MHz	4.3 dB/100m
2.822 MHz	4.6 dB/100m
3.072 MHz	4.6 dB/100m
4.096 MHz	4.9 dB/100m
5.645 MHz	5.6 dB/100m
6.144 MHz	5.9 dB/100m
8.192 MHz	6.6 dB/100m
11.29 MHz	7.2 dB/100m
12.288 MHz	7.5 dB/100m
24.576 MHz	10.2 dB/100m

Temperature Range

Operating Temp Range:	-30°C To +60°C
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Mechanical Characteristics

Bulk Cable Weight:	750 lbs/1000ft
Max. Pull Tension:	526 lbs
Min Bend Radius During Installation:	13.5 in

Standards

NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG

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 CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

Suitability

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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4
CSA Flammability:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1854F Z4B1000	Violet	Reel	1,000 ft	612825393573

History

Update and Revision:	Revision Number: 0.100 Revision Date: 09-30-2020
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