



Product: [1854F](#) 

Digital Multi-Pair Snake, 24 AWG, 32 Pair, PVC Jkt, 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

Product Overview

Suitable Applications:	Multi-channel interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles; Live events or studio sound; Analog audio
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	32	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.022 in (0.56 mm)	0.068 in (1.7 mm)	Black & Red	
				Brown and Numbered 1, Red and Numbered 2, Orange and Numbered 3, Yellow and Numbered 4, Green and Numbered 5, Blue and Numbered 6, Purple and Numbered 7, Gray and Numbered 8, White and Numbered 9, Black and Numbered 10, Tan and Numbered 11, Pink and Numbered 12, Gray/Brown Stripe and Numbered 13, Gray/Red Stripe and Numbered 14, Gray/Orange Stripe and Numbered 15, Gray/Yellow Stripe and Numbered 16, Gray/Green Stripe and Numbered 17, Gray/Blue Stripe and Numbered 18, Gray/Purple Stripe and Numbered 19, Gray/Gray Stripe and Numbered 20, Gray/White Stripe and Numbered 21, Gray/Black Stripe and Numbered 22, Gray/Tan Stripe and Numbered 23, Gray/Pink Stripe and Numbered 24, Blue/Brown Stripe and Numbered 25, Blue/Red Stripe and Numbered 26, Blue/Orange Stripe and Numbered 27, Blue/Yellow Stripe and Numbered 28, Blue/Green Stripe and Numbered 29, Blue/Blue Stripe and Numbered 30	colors mentioned here is for inner Jacket
				Blue/Purple Stripe and Numbered 31, Blue/Gray Stripe and Numbered 32	colors mentioned here is for inner Jacket

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	16 AWG (19x29) TC

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.167 in (4.24 mm)	Yes

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.112 in (2.84 mm)	1.346 in	Yes

Overall Cable Diameter (Nominal):	1.346 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
28.8 Ohm/1000ft	17.42 Ohm/1000ft (57.15 Ohm/km)	17.61 pF/ft (57.78 pF/m)	31.68 pF/ft (103.9 pF/m)	93 Ohm	76%	134.4 Amps per Conductor at 30°C
Nom Outer Shield DCR:		3.47 Ohm/1000ft (11.4 Ohm/km)				

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
13.46 in (341.9 mm)	13.46 in

Max. Pull Tension:	375 lbs (170 kg)
Bulk Cable Weight:	741 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 800, CMG
CEC / C(UL) Compliance:	CMG.
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.187 Revision Date: 09-07-2025
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Part Numbers

Variants

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

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