Product: 7880A

Audio Snake Cable, #26-8pr, TC, Indiv. Shielded, CM

Product Description

Digital Audio Snake Cable, CM-Rated, 8-26 AWG tinned copper pairs, Datalene® insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
26	7x34	TC - Tinned Copper	0.019 in	8

Conductor Count:	16

Insulation

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene (Foam)	Datalene®	0.054 in	0.0175 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

Inner Shield

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	0.019 in	26	Stranded

Table Notes:	Indiv. Foil tapes bonded to inner jacket

Inner Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.136 in	0.014 in

Outer Shield

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	0.019 in	26	Stranded

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.541 in	0.044 in	Yes

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
25.5 Ohm/1000ft	37.3 Ohm/1000ft	37.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
13 pF/ft	25 pF/ft

Inductance

Nominal Inductance
0.25 µH/ft

Impedance

Nominal Characteristic Impedance
110 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.384 MHz	0.84 dB/100ft
0.7056 MHz	1.14 dB/100ft
0.768 MHz	1.18 dB/100ft
1.024 MHz	1.34 dB/100ft
1.4112 MHz	1.5 dB/100ft
1.536 MHz	1.54 dB/100ft
2.048 MHz	1.69 dB/100ft
2.8224 MHz	1.86 dB/100ft
3.072 MHz	1.92 dB/100ft
4.096 MHz	2.14 dB/100ft
5.6448 MHz	2.4 dB/100ft
6.144 MHz	2.47 dB/100ft
8.192 MHz	2.75 dB/100ft
11.2896 MHz	3.09 dB/100ft
12.288 MHz	3.18 dB/100ft
24.576 MHz	4.2 dB/100ft

Delay

Nominal Velocity of Propagation (VP) [%]
76%

High Frequency

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

Temperature Range

Operating Temperature Range:	-30°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	100 lbs/1000ft
Max. Pull Tension:	84 lbs
Min. Bend Radius/Minor Axis:	5.5 in

Standards

NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
CPR Euroclass:	Eca

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
7880A Z4B2000	Violet	Reel	2,000 ft	612825190523
7880A Z4B250	Violet Z4B	Reel	250 ft	612825190530
7880A Z4B500	Violet Z4B	Reel	500 ft	612825190691
7880A Z4B1000	Violet Z4B	Reel	1,000 ft	612825434160

Footnote:	C - CRATE REEL PUT-UP.

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.

History

Update and Revision:	Revision Number: 0.439 Revision Date: 12-19-2022