



Part Number: 1696A

Audio Cable, #22-2c, TC, O/A Foil, CM

Product Description

Digital Audio Cable, 1-22 AWG stranded tinned copper pair with Datalene® insulation, fillers, Beldfoil® shield +90% tinned copper braid, drain, PVC jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	1
Total Number of Conductors:			2	

Insulation:

Material	Material Trade Name	Nominal Diameter
FHDPE - Foam High Density Polyethylene	Datalene®	0.082 in

Color Chart 1:

Number	Color
1	Light Blue & White

Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil® (Z-fold®)	100 %	TC - Tinned Copper	24	7x32 mm
Braid	2	TC - Tinned Copper		90 %			

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
17.8 Ohm/1000ft	5.89 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
13 pF/ft	26 pF/ft

Impedance:

Nominal Characteristic Impedance
110 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
0.384 MHz	0.58 dB/100ft
0.7056 MHz	0.69 dB/100ft
0.768 MHz	0.7 dB/100ft
1.024 MHz	0.76 dB/100ft
1.4112 MHz	0.82 dB/100ft
1.536 MHz	0.84 dB/100ft
2.048 MHz	0.88 dB/100ft
2.8224 MHz	0.93 dB/100ft
3.072 MHz	0.95 dB/100ft
4.096 MHz	1.09 dB/100ft
5.6448 MHz	1.32 dB/100ft
6.144 MHz	1.37 dB/100ft
8.192 MHz	1.48 dB/100ft
11.2896 MHz	1.74 dB/100ft
12.288 MHz	1.77 dB/100ft
24.576 MHz	2.41 dB/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	76 %

Current:

Max. Recommended Current [A]
3.8 Amps per conductor @ 25°C

Inductance:

Nominal Inductance

0.18 μ H/ft

Voltage:

Non-UL Voltage Rating

300V RMS

Use

Max Recommended Pulling Tension:

56 lbs

Temperature Range

Non-UL Temp Rating:

60°C °C

Operating Temp Range:

-30°C To +60°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:

2.5 in

Part Number

Plenum (Y/N):

No

Standards

CA Prop 65 (CJ for Wire & Cable):

Yes

MII Order #39 (China RoHS):

Yes

Other Specification:

AES/EBU

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

EU CE Mark:

Yes

Product Variants

Part Number	Color	Put-Up Type	Length
1696A	BLACK, MATTE	Reel	1000 ft
1696A	MATTE BLACK	Reel	305 m
1696A B591000	BLACK, MATTE	Reel	1000 ft
1696A	BLACK, MATTE	Reel	250 ft
1696A	MATTE BLACK	Reel	76 m
1696A B59250	BLACK, MATTE	Reel	250 ft
1696A	BLACK, MATTE	Reel	500 ft
1696A	MATTE BLACK	Reel	152 m
1696A B59500	BLACK, MATTE	Reel	500 ft
1696A	BLACK, MATTE	Reel	1000 ft
1696A	MATTE BLACK	UnReel	305 m
1696A B59U1000	BLACK, MATTE	Reel	1000 ft
1696A			

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