

Product: [1696A](#) 

Digital Audio Cable, 1 Pr #22, Str TC, Foil + Braid, PVC Jkt



REPRESENTATIVE IMAGE

Product Description

Digital Audio Cable, 1 Pair 22 AWG (7 x 30) Tinned Copper, Datalene® Insulation, Overall Beldfoil® Shield, 90% Tinned Copper Braid Shield, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Digital audio, Interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.027 in (0.69 mm)	0.082 in (2.1 mm)	Blue & White	HDPE

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	90%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.235 in (5.97 mm)

Overall Cable Diameter (Nominal):	0.235 in (5.97 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	17.8 Ohm/1000ft (58.4 Ohm/km)	13 pF/ft (43 pF/m)	26 pF/ft (85 pF/m)	110 Ohm	76%	3.8 Amps per conductor @ 25°C

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-30°C to +60°C

Bend Radius

Stationary Min.	Installation Min.

2.4 in (61 mm)	2.4 in (61 mm)
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Max. Pull Tension:	16.5 lbs
Bulk Cable Weight:	31 lbs/1000ft (46 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	AES/EBU

Product Notes

Notes:	Cabling has two rod fillers for improved electrical performance.
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History

Update and Revision:	Revision Number: 0.317 Revision Date: 10-27-2021
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Variants

Item #	Color	Putup Type	Length	UPC
1696A B59250	Black, Matte	Reel	250 ft	612825121329
1696A B59500	Black, Matte	Reel	500 ft	612825121336
1696A B591000	Black, Matte	Reel	1,000 ft	612825121312
1696A B59U1000	Black, Matte	Reel	1,000 ft	612825121305

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