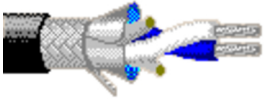


Part Number: 1696A

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

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
----------------------	------------------------------

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	22 AWG

Insulation

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FHDPE - Foamed High Density Polyethylene	Datalene®	0.082 in	0.026 in

Color Chart

Number	Color
1	Light Blue & White

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	0.024 in	24	7x32
Braid	2	TC - Tinned Copper		90 %				

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.235 in	0.025 in
	0.235 in	

Electrical Characteristics

Conductor DCR

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

Shielding:	Foil + Braid(s)
------------	-----------------

Inductance

Nominal Inductance
0.18 µH/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 %

High Freq

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

Current

Max. Recommended Current [A]

3.8 Amps per conductor @ 25°C

Voltage

Non-UL Voltage Rating

300 V RMS

Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-30°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max Recommended Pulling Tension:	56 lbs

Min Bend Radius/Minor Axis:	2.5 in
-----------------------------	--------

Standards

CPR Euroclass:	Eca
Other Specification:	AES/EBU

Applicable Environmental and Other Programs

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 Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Color	Footnote
1696A B591000	BLACK, MATTE	C
1696A B59250	BLACK, MATTE	
1696A B59500	BLACK, MATTE	
1696A B59U1000	BLACK, MATTE	

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.