



Part Number: 1800B

Audio Cable, #24-2c, TC, O/A Foil, CMG

Product Description

Digital Audio Cable, CMG-Rated, 1-24 AWG stranded tinned copper pair with Datalene® insulation, Beldfoil® shield, drain, PVC jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	1
Total Number of Conductors:			2	

Insulation:

Material	Material Trade Name	Nominal Diameter
FHDPE - Foam High Density Polyethylene	Datalene®	0.068 in

Color Chart 1:

Number	Color
1	Red & Black

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.177 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
23.7 Ohm/1000ft

Capacitance:

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

Impedance:

Nominal Characteristic Impedance
110 Ohm

High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.69 dB/100ft
0.93 dB/100ft
0.96 dB/100ft
1.07 dB/100ft
1.19 dB/100ft
1.21 dB/100ft
1.31 dB/100ft
1.41 dB/100ft
1.45 dB/100ft
1.57 dB/100ft
1.76 dB/100ft
1.83 dB/100ft
2.01 dB/100ft
2.24 dB/100ft
2.3 dB/100ft
3.08 dB/100ft

Delay:

Nominal Velocity of Propagation (VP) [%]
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]
2.75 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.18 µH/ft

Voltage:

UL Voltage Rating
300V RMS V

Use

Max Recommended Pulling Tension:	16.5 lbs
----------------------------------	----------

Safety

CSA Flammability:	FT4
-------------------	-----

Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.75 in
-----------------------------	---------

Part Number

Plenum (Y/N):	No
Plenum Number:	1801B

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMG
Other Specification:	AES/EBU
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Notes:	For cross-connect use with 1803F (et al.) Digital Audio Snake Cables. The jacket and shield are bonded so both can be removed with automatic stripping equipment.
--------	---

--

Product Variants

Part Number	Color	Put-Up Type	Length
1800B	VIOLET	Reel	1000 ft
1800B	PURPLE	Reel	305 m
1800B 0071000	VIOLET	Reel	1000 ft
1800B	VIOLET	UnReel	1000 ft
1800B	PURPLE	UnReel	305 m
1800B 007U1000	VIOLET	UnReel	1000 ft
1800B	GRAY T5X	UnReel	305 m
1800B	BLACK	Reel	305 m
1800B	GRAY T5X	Reel	1000 ft
1800B	GRAY T5X	Reel	305 m
1800B T5X1000	GRAY T5X	Reel	1000 ft
1800B	GRAY T5X	Reel	500 ft
1800B	GRAY T5X	Reel	152 m
1800B T5X500	GRAY T5X	Reel	500 ft
1800B	GRAY T5X	Reel	305 m
1800B	GRAY T5X	UnReel	1000 ft
1800B	GRAY T5X	UnReel	305 m
1800B T5XU1000	GRAY T5X	UnReel	1000 ft
1800B			

© 2017 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.