



Product: [1801B](#)

Digital Audio Cable, 1 Pr #24 Str TC, O/A Foil, Flamarrest® Jkt, CMP

Product Description

Digital Audio Cable, 1 Pair, 24 AWG (7 x 32) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, Flamarrest® Jacket, CMP

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.021 in (0.53 mm)	0.066 in (1.7 mm)	Red & Black

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.165 in (4.19 mm)

Overall Cable Diameter (Nominal):	0.165 in (4.19 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	28.8 Ohm/1000ft	12 pF/ft (39 pF/m)	26 pF/ft (85 pF/m)	110 Ohm	78%	3.8 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.7 in (43 mm)	1.7 in (43 mm)

Max. Pull Tension:	16.5 lbs (7.48 kg)
Bulk Cable Weight:	12 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	AES/EBU
Non-Plenum Number:	1800B

History

Update and Revision:	Revision Number: 0.510 Revision Date: 02-15-2024
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1801B 0081000	Gray	Reel	1,000 ft	612825416661	
1801B 877500	Natural	Reel	500 ft	612825122968	C
1801B 8771000	Natural	Reel	1,000 ft	612825122951	C
1801B 877U1000	Natural	UnReel	1,000 ft	612825122944	
1801B 8775000	Natural	Reel	5,000 ft	612825430056	
1801B Z4B500	Violet Z4B	Reel	500 ft	612825122937	
1801B Z4B1000	Violet Z4B	Reel	1,000 ft	612825122920	C
1801B Z4BU1000	Violet Z4B	UnReel	1,000 ft	612825122913	

© 2024 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[1801B 877U1000](#) [1801B Z4BU1000](#) [1801B Z4B1000](#) [1801B Z4B500](#)