



**Part Number:** 1801B

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

## Product Description

Digital Audio Cable, Plenum-CMP, 1-24 AWG stranded tinned copper pair with foam FEP insulation, Beldfoil® shield, drain, Flamarrest® 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
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.066 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	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.165 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
0.82 dB/100ft
1.01 dB/100ft
1.02 dB/100ft
1.08 dB/100ft
1.15 dB/100ft
1.16 dB/100ft
1.23 dB/100ft
1.34 dB/100ft
1.38 dB/100ft
1.58 dB/100ft
1.79 dB/100ft
1.85 dB/100ft
2.05 dB/100ft
2.34 dB/100ft
2.43 dB/100ft
3.33 dB/100ft

Delay:

Nominal Velocity of Propagation (VP) [%]
78 %

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
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Safety

CSA Flammability:	FT6
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Temperature Range

Operating Temp Range:	-20°C To +75°C °C
UL Temp Rating:	75°C °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.75 in
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## Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	1800B

## Standards

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

## History

Notes:	Teflon« is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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## Product Variants

Part Number	Color	Put-Up Type	Length
1801B	NATURAL	Reel	1000 ft
1801B	NATURAL	Reel	305 m
1801B 8771000	NATURAL	Reel	1000 ft
1801B	NATURAL	Reel	500 ft
1801B	NATURAL	Reel	152 m
1801B 877500	NATURAL	Reel	500 ft
1801B	TAN, OAK	UnReel	1000 ft
1801B	NATURAL	UnReel	305 m
1801B 877U1000	NATURAL	UnReel	1000 ft
1801B	VIOLET Z4B	Reel	1000 ft
1801B	VIO Z4B	Reel	305 m
1801B Z4B1000	VIOLET Z4B	Reel	1000 ft
1801B	VIOLET Z4B	Reel	500 ft
1801B	VIO Z4B	Reel	152 m
1801B Z4B500	VIOLET Z4B	Reel	500 ft
1801B	VIOLET Z4B	UnReel	1000 ft
1801B	VIO Z4B	UnReel	305 m
1801B Z4BU1000	VIOLET Z4B	UnReel	1000 ft
1801B			

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