




**Product:** [1800B](#) 

Audio Cable, 2 Conductor 24 AWG, TC, CMR

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	1

Conductor Count: 2

#### Insulation

Material	Material Trade Name	Nominal Diameter
PE - Polyethylene (Foam)	Datalene®	0.068 in

#### Color Chart

Number	Color
1	Red & Black

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.185 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

#### Inductance

Nominal Inductance
0.18 µH/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

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

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

**Mechanical Characteristics**

UV Resistance:	No
Bulk Cable Weight:	16 lbs/1000ft
Max Recommended Pulling Tension:	16.5 lbs
Min Bend Radius/Minor Axis:	2 in

**Standards**

NEC/(UL) Specification:	CMR
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CEC/C(UL) Specification:	CMR
CPR Euroclass:	Eca
Other Specification:	AES/EBU

## Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

## Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1800B T5X5000	Gray	Reel	5,000 ft	612825427995
1800B T5X500	Gray T5X	Reel	500 ft	612825122791
1800B T5X1000	Gray T5X	Reel	1,000 ft	612825122784
1800B T5XU1000	Gray T5X	UnReel	1,000 ft	612825122777
1800B 0071000	Violet	Reel	1,000 ft	612825122814
1800B 007U1000	Violet	UnReel	1,000 ft	612825122807
1800B 0075000	Violet	Reel	5,000 ft	612825427988

Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

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.
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## History

Update and Revision:	Revision Number: 0.297 Revision Date: 04-28-2020
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## Belden Wire & Cable:

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