

1801BD Multi-Conductor - Double-Pair Cable
 For more Information
 please call

1-800-Belden1



**Picture
Not Available**

General Description:

Digital Audio Snake Cable, Plenum-CMP, 2-24 AWG tinned copper pairs, foam FEP insulation, Flamarrest® jacket, Parallel construction

Usage (Overall)

Suitable Applications: Recording Studio, Radio Broadcast, Sports Stadium, Nurse Call

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2	24	7x32	TC - Tinned Copper	0.610

Total Number of Conductors: 4

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	1.6764

Outer Shield**Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 4.191 x 8.763 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Red & Black
2	White & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 146.791 N

Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	AES/EBU

Flame Test

C(UL) Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
110

Nom. Inductance:

Inductance (μH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
39.372

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
85.306

Nominal Velocity of Propagation:

VP (%)
78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
77.7597

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
.384	2.69042
.7056	3.31381
.768	3.34662
1.024	3.54348
1.4112	3.77315
1.536	3.80596
2.048	4.03563
2.8224	4.39654
3.072	4.52778
4.096	5.18398
5.6448	5.87299

METRIC MEASUREMENT VERSION

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6.144	6.06985
8.192	6.72605
11.2896	7.67754
12.288	7.97283
24.576	10.9257

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1801BD Z4B1000	1,000 FT	28.000 LB	VIO Z4B		2#24 NFFEP FS FLMRST - SIAMESE
1801BD 8771000	1,000 FT	28.000 LB	NATURAL		2#24 NFFEP FS FLMRST - SIAMESE

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