

## 1801BS4 Multi-Conductor - Banana Peel® Multi-Pair Snake Cable

For more Information  
please call

1-800-Belden1



**Picture  
Not Available**

### General Description:

Digital Audio Snake Cable, Plenum-CMP, 4-24 AWG tinned copper pairs, foam FEP insulation, individually shielded with Beldfoil® bonded to numbered/color-coded Flamarrrest® jackets so both strip simultaneously, Banana Peel® 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)
4	24	7x32	TC - Tinned Copper	0.610

**Total Number of Conductors:** 8

#### 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 Diameter:**

Nom. Dia. (mm)
4.191

#### Overall Cable

**Overall Nominal Diameter:** 10.109 mm

#### Pair

**Pair Color Code Chart:**

Number	Color
1	Red & Black

### Mechanical Characteristics (Overall)

**Installation Temperature Range:** 0°C To +60°C

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

**Bulk Cable Weight:** 83.339 Kg/Km

**Max. Recommended Pulling Tension:** 293.581 N

**Min. Bend Radius/Minor Axis:** 101.600 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

### Applicable Patents:

Country
www.belden.com/p

### 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

## METRIC MEASUREMENT VERSION

### 1801BS4 Multi-Conductor - Banana Peel® Multi-Pair Snake Cable

2.8224	4.39654
3.072	4.52778
4.096	5.18398
5.6448	5.87299
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
2.75 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
1801BS4 Z4B1000	1,000 FT	61.000 LB	VIO Z4B		BONDED FILLER COMPOSITE
1801BS4 8771000	1,000 FT	61.000 LB	NATURAL		BONDED FILLER COMPOSITE

Revision Number: 0    Revision Date: 01-22-2015

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