

## 1350SB Multi-Conductor - AES/EBU Digital Audio Cable

For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG drain wire, LSZH jacket.

### Usage (Overall)

**Suitable Applications:** Shipboard, ABS, Digital Audio, Analog Audio, Low Capacitance, Low Cap, Instrumentation, Control, EIA RS-232, EIA RS-422, EIA RS-485

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	24	7x32	TC - Tinned Copper	.024

**Total Number of Conductors:** 2

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Datalene®	FHDPE - Foam High Density Polyethylene	.058

#### 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 Material
LSZH - Low Smoke Zero Halogen

#### Overall Cable

**Overall Nominal Diameter:** 0.179 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Red & Black

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -30°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 20 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 16.500 lbs.

**Min. Bend Radius/Minor Axis:** 1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG-LS
CEC/C(UL) Specification:	CMG-LS
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	Std. 45 clause 23
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	08/04/2006
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:	UL444, AES/EBU, ABS Type Approval Certificate 06-HS184641D

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading, Limited Smoke
CSA Flame Test:	FT4
IEC Flame Test:	60332-1, 60332-3-22 (Category A)
IEEE Flame Test:	1202

#### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

100

#### Nom. Inductance:

Inductance (µH/ft)

.18

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

13.4

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

26

#### Nominal Velocity of Propagation:

VP (%)

79

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

25.7

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

18.1

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### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
.384	.57
.7056	.84
.768	.88
1.024	1.01
1.4112	1.18
1.536	1.22
2.048	1.37
2.8224	1.55
3.072	1.60
4.096	1.79
5.6448	2.03
6.144	2.09
8.192	2.36
11.2896	2.73
12.288	2.84
24.576	4.01

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
2.75 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1350SB 0101000	1,000 FT	21.000 LB	BLACK	C	1 FS PR #24 FHDPE FRNHPO

#### Notes:

C = CRATE REEL PUT-UP.

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