# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1



#### **General Description:**

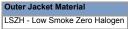
24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, overall Beldfoil®

### 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. (mm) 24 7x32 TC - Tinned Copper | 0.6096 **Total Number of Conductors:** 2 Insulation Insulation Material: Insulation Trade Name Insulation Material FHDPE - Foam High Density Polyethylene | 1.4732 **Outer Shield Outer Shield Material:** Outer Shield Trade Name Type Outer Shield Material 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:



#### **Overall Cable**

**Overall Nominal Diameter:** 4 547 mm

## Pair

Pair Color Code Chart:

d & Black

Operating Temperature Range:	-30°C To +75°C		
UL Temperature Rating:	75°C		
Bulk Cable Weight:	29.764 Kg/Km		
Max. Recommended Pulling Tension:	73.395 N		
Min. Bend Radius/Minor Axis:	44.450 mm		

# **Applicable Specifications and Agency Compliance (Overall)**

### **Applicable Standards & Environmental Programs**

EU CE Mark:	Yes
IEEE Specification:	Std. 45 clause 23
EU Directive 2011/65/EU (ROHS II):	Yes
CEC/C(UL) Specification:	CMG-LS
NEC/(UL) Specification:	CMG-LS

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	EU Directive 2000/53/EC (ELV):	Yes
ī	EU Directive 2002/95/EC (RoHS):	Yes
	EU RoHS Compliance Date (mm/dd/yyyy):	08/04/2006
	EU Directive 2002/96/EC (WEEE):	Yes
ī	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
Flam	ne Test	
1	UL Flame Test:	UL1685 FT4 Loading, Limited Smoke
-	CSA Flame Test:	FT4
	EC Flame Test:	60332-1, 60332-3-22 (Category A)
	EEE Flame Test:	1202
Suita	ability	
;	Suitability - Indoor:	Yes
-	Suitability - Outdoor:	Yes
:	Sunlight Resistance:	Yes

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 85.306

Nominal Velocity of Propagation:

**VP (%)** 

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 84.3217

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 59.3861

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)			
.384	1.87017			
.7056	2.75604			
.768	2.88728			
1.024	3.31381			
1.4112	3.87158			
1.536	4.00282			
2.048	4.49497			
2.8224	5.08555			
3.072	5.2496			
4.096	5.87299			
5.6448	6.66043			
6.144	6.85729			
8.192	7.74316			
11.2896	8.95713			
12.288	9.31804			
24.576	13.1568			

Max. Operating Voltage - UL:

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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	С	1 FS PR #24 FHDPE FRNHPO

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 08-23-2012

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