



Product: [1350SB](#)



AES/EBU Digital Audio, 1 Pair 24 AWG, LSZH Jacket, CMG-LS, Shipboard ABS

Product Description

Digital Audio Cable, Rated-CMG-LS, 1-24 AWG tinned copper pair, Datalene® insulation, overall Beldfoil® shield, drain, LSZH jacket

Technical Specifications

Product Overview

Suitable Applications:	Shipboard, ABS, Digital Audio, Analog Audio, Low Capacitance, Low Cap, Instrumentation, Control, EIA RS-232, EIA RS-422, EIA RS-485
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Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	1
Conductor Count:			2	
Total Number of Pairs:			1	

Insulation			
Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene (Foam)	Datalene®	0.058 in	0.017 in

Color Chart	
Number	Color
1	Red & Black

Outer Shield							
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.023 in	24	7x32

Outer Jacket		
Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.179 in	0.030 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
25.7 Ohm/1000ft	25.7 Ohm/1000ft	
		Nominal Outer Shield DCR
		18.1 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
13.4 pF/ft	26 pF/ft

Inductance	
Nominal Inductance	
0.18 µH/ft	

Impedance

Nominal Characteristic Impedance
100 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.384 MHz	0.57 dB/100ft
0.7056 MHz	0.84 dB/100ft
0.768 MHz	0.88 dB/100ft
1.024 MHz	1.01 dB/100ft
1.4112 MHz	1.18 dB/100ft
1.536 MHz	1.22 dB/100ft
2.048 MHz	1.37 dB/100ft
2.8224 MHz	1.55 dB/100ft
3.072 MHz	1.6 dB/100ft
4.096 MHz	1.79 dB/100ft
5.6448 MHz	2.03 dB/100ft
6.144 MHz	2.09 dB/100ft
8.192 MHz	2.36 dB/100ft
11.2896 MHz	2.73 dB/100ft
12.288 MHz	2.84 dB/100ft
24.576 MHz	4.01 dB/100ft

Delay

Nominal Velocity of Propagation (VP) [%]
79%

High Frequency

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 at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-30°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max. Pull Tension:	16.5 lbs
Min. Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Compliance:	CMG-LS
CEC/C(UL) Compliance:	CMG-ST1
CPR Euroclass:	Eca
IEEE Compliance:	Std. 45 clause 23

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading, Limited Smoke
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2, IEC 60332-3-22
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1350SB 0101000	Black	Reel	1,000 ft	612825112396

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.438 Revision Date: 02-15-2024
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