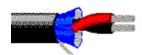


Product: <u>1350SB</u> ☑



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

## **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

#### **Physical Characteristics (Overall)**

#### Conductor

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

#### 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

Тур	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Таре	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	Nominal Outer Shield DCR
25.7 Ohm/1000ft	25.7 Ohm/1000ft	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

#### Impedance

# Nominal Characteristic Impedance

#### 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 Temp 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		
Other Specification:	er Specification: UL444, AES/EBU, ABS Type Approval Certificate 06-HS184641D		

#### **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

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

#### Flammability, LS0H, Toxicity Testing

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

#### Plenum/Non-Plenum

Plenum (Y/N):	No		
Tionam (1714).	110		

#### **Part Number**

#### Variants

Item #	Color Put-Up Type	Length	UPC
1350SB 0101000	Black Reel	1,000 ft	612825112396
otnote:			C - CRATE RE

#### History

Update and Revision:	Revision Number: 0.351 Revision Date: 12-15-2021

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