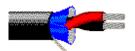
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1



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

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:



Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	23.200 lbs/1000 ft.
Max. Recommended Pulling Tension:	16.500 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.750 in.

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Detailed Specifications & Technical Data





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

Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CMG-LS				
CEC/C(UL) Specification:	CMG-LS				
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				
C(UL) Flame Test:	FT4, Limited Smoke				
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:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



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

Nom. Attenuation:

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

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:

300 V RMS

Max. Recommended Current:

Current 2.75 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

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

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 07-21-2009

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