

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

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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

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:

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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	C	1 FS PR #24 FHDPE FRNHPO

Notes:

C = CRATE REEL PUT-UP.

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