



Product: [9451SB](#)

Line Level Audio Cable, 1 Pr #22 Str TC, O/A Foil, LSZH Jkt, CMG-LS, ABS Certified

Product Description

Line Level Audio Cable, 1 Pair 22 AWG (7 x 30) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, LSZH Jacket, CMG-LS, Shipboard ABS Type Approved

Technical Specifications

Product Overview

Suitable Applications:	Shipboard and offshore environments; Line level audio; Low voltage analog signals and control
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.009 in	0.046	Black & Red

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.033 in	0.160 in

Table Notes:	Jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.
Cable Diameter (Nominal):	0.160 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.1 Ohm/1000ft	35 pF/ft	67 pF/ft	45 Ohm	66%	2.9 Amps per conductor @ 25°C
Nom Outer Shield DCR:	14.3 Ohm/1000ft					

Voltage

UL Voltage Rating
300 V (CMG-LS)

Mechanical Characteristics

Temperature

UL Rating	Operating
105°C	-30°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
1.75 in	1.6 in

Max. Pull Tension:	27 lbs
Bulk Cable Weight:	18 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 (FT4 Loading), Limited Smoke, FT4, 1202, 60332-1^60332-3-22 (Category A)
NEC / UL Compliance:	Article 800, CMG-LS
CEC / C(UL) Compliance:	CMG-LS
IEEE Compliance:	Std. 45 clause 23
Marine Compliance:	ABS Type Approval Certificate 05-HS500072B
CPR Euroclass:	Fca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.332 Revision Date: 09-30-2020
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