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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.009 in (0.23 mm)	0.046 in (1.2 mm)	Black & Red

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.033 in (0.84 mm)	0.160 in (4.06 mm)

Table Notes:	Jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.
Overall Cable Diameter (Nominal):	0.160 in (4.06 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	18.2 Ohm/1000ft	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	45 Ohm	66%	4.4 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMG-LS)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.6 in (41 mm)	1.6 in (41 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	18 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEEE 1202, IEC 60332-1-2, IEC 60332-3-22
CPR Compliance:	CPR Euroclass: Dca-s2,d1,a1
NEC / UL Compliance:	Article 800, CMG-LS
CEC / C(UL) Compliance:	CMG-ST1
IEEE Compliance:	Std. 45 clause 23
Marine Compliance:	ABS Type Approval Certificate 05-HS500072B
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.512 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9451SB 0101000	Black	Reel	1,000 ft	612825253167	C

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