



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 | Number of Element | 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 Impedance | Nom. Velocity of Prop. | Max. Current |
|---------|-------------------------------|-------------------------------|---|-------------------------------|------------------------|-------------------------------|
| Pair(s) | 14.1 Ohm/1000ft (46.3 Ohm/km) | 35 pF/ft (110 pF/m) | 67 pF/ft (220 pF/m) | 45 Ohm | 66% | 2.9 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 |
| Bulk Cable Weight: | 18 lbs/1000ft (27 kg/km) |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL1685 (FT4 Loading), Limited Smoke, FT4, 1202, 60332-1^60332-3-22 (Category A) |
| 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.376 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

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

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