



REPRESENTATIVE IMAGE

**Product:** [8723SB](#)

Audio & Instrumentation, 2 Pair 22 AWG, TC, Individually Shielded, Shipboard

## Product Description

Audio & Instrumentation, 22 AWG stranded (7x30) tinned copper conductors, twisted pairs, polypropylene insulation, individually shielded with 100% Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, LSZH jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	shipboard applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	PP - Polypropylene	0.009	Black & Red, Green & White

#### Inner Shield Material

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	each pair

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.034 in	0.196 in

Cable Diameter (Nominal):	0.196 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.7 Ohm/1000ft	35 pF/ft	62 pF/ft	45 Ohm	66%	2.3 Amps per Conductor at 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V (CMG-LS)

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

<b>Stationary Min.</b>	<b>Installation Min.</b>
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2 in	2 in
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Max. Pull Tension:	42 lbs
Bulk Cable Weight:	24 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 UL Loading, 1202, 60332-1,60332-3-22 (Category A)
NEC / UL Compliance:	Article 800, CMG-LS
CEC / C(UL) Compliance:	CMG
IEEE Compliance:	Std. 45 Clause 23
CPR Euroclass:	Eca
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)
Other Standard Compliance(s):	ABS Type Approval Certificate 05-HS500072B

## History

Update and Revision:	Revision Number: 0.329 Revision Date: 09-30-2020
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