


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
------------------------	---

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	22	7x30	TC - Tinned Copper	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Element	Material
Pair(s)	PP - Polypropylene

Color Chart

Number	Color
1	Red & Black
2	Green & White

Inner Shield Material

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Pair(s)	Tape	Alum / Poly	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	24

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen flame retardant	0.196 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
15 Ohm/1000ft	14.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	62 pF/ft

Inductance

Nominal Inductance

0.17 μ H/ft

Impedance

Nominal Characteristic Impedance

45 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]

66 %

Current

Max. Recommended Current [A]

2.3 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max Recommended Pulling Tension:	50 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Specification:	CMG-LS
CEC/C(UL) Specification:	CMG-LS
CPR Euroclass:	Eca
IEEE Specification:	Std. 45 Clause 23
Other Specification:	UL444, ABS Type Approval Certificate 05-HS500072B

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-08-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1581 Vertical Tray,UL1685 FT4 Loading, Limited Smoke
CSA Flammability:	FT4,Limited Smoke
ISO/IEC Flammability:	60332-1,60332-3-22 (Category A)
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8723SB 0101000	Black	Reel	1,000 ft	612825214595

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.273 Revision Date: 05-11-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.