



Product: [70050](#)

1 PAIR AES/EBU, 22AWG, ISTD, LSZH

Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 22AWG/0.34mm², ISTD, LSZH

Technical Specifications

Product Overview

Suitable Applications:	1-pair 22AWG halogen-free single pair cable; For digital audio
------------------------	--

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D
22	7x30	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	7x0.25 mm

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	2.10 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Red & Black

Outer Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	22	7x0.25 mm	Under shielding foil

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.00 mm	0.10 mm

Construction and Dimensions

Cabling

Description
1 pair

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
58.0 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
45 pF/m

Impedance

Frequency [MHz]	Nominal Characteristic Impedance	Nominal Characteristic Tolerance
0.1 - 6	110 Ohm	+/- 15 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
76%

Temperature Range

Other Temp Range:	-30 to +70 °C
-------------------	---------------

Mechanical Characteristics

Max. Pull Tension:	70 N
Min. Bend Radius During Installation:	60 mm
Min. Bend Radius During Operation:	90 mm

Standards

CPR Euroclass:	Fca
----------------	-----

Applicable Environmental and Other Programs

Environmental Space:	Indoor
----------------------	--------

Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
70050.01500	Green	Reel	500 m	8719605125774
70050.00100	Purple	Reel	100 m	8719605159083
70050.00500	Purple	Reel	500 m	8719605010025

History

Update and Revision:	Revision Number: 0.175 Revision Date: 04-08-2022
----------------------	--

© 2022 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.