



Product: [70049CH](#)

1 PAIR AES/EBU, 24AWG, ISTP, LSZH-C

Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 24AWG/0.22mm², ISTP, LSZH-C

Technical Specifications

Product Overview

Suitable Applications:	1-pair 24AWG halogen-free single pair cable; For digital audio
------------------------	--

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene (Foam)	1.7 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	24	Stranded	Under shielding foil

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.5 mm	0.1 mm

Construction and Dimensions

Cabling

Description
1 pair + drainwire stranded tinned copper (AWG24)(7x0.20mm)

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
86 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor

36 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
110 Ohm	15 Ohm

Delay

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

Temperature Range

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

Mechanical Characteristics

Max. Pull Tension:	70 N
--------------------	------

Standards

CPR Euroclass:	Dca-s1,d1,a1
----------------	--------------

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
----------------------	------------------------

Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
IEC 60754-1 - Halogen Amount:	Zero

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
70049CH.02100	Black	Reel	100 m	8719605172112
70049CH.02500	Black	Reel	500 m	8719605010018
70049CH.021000	Black	Reel	1,000 m	8719605010001
70049CH.03100	Gray	Reel	100 m	8719605160294
70049CH.03500	Gray	Reel	500 m	8719605160300
70049CH.00500	Purple	Reel	500 m	8719605009999
70049CH.001000	Purple	Reel	1,000 m	8719605009982

History

Update and Revision:	Revision Number: 0.150 Revision Date: 02-15-2024
----------------------	--

© 2024 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.