



Part Number: 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

Environmental Space:	Indoor - Euroclass B2ca
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	Bare oxygen free copper	1

Conductor Count:	2
Total Number of Pairs:	1
AWG Size:	24

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
FPE - Foamed Polyethylene	1.7 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Red & Black

Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Position
Foil	Aluminum/Polyester Foil	100 %	Stranded tinned copper	24	Under shielding foil

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH / FRNC	5.5 mm	0.1 mm

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 Recommended Pulling Tension: 70 N

Standards

CPR Euroclass: B2ca-s1,d1,a1

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability: IEC 60332-3-24

Amount of Halogen acc. to IEC 60754-1 & EN50267-1: Zero

Part Number**Variants**

Item #	Color
70049CH.021000	BLACK
70049CH.02500	BLACK
70049CH.02100	BLACK
70049CH.001000	PURPLE
70049CH.00500	PURPLE

© 2018 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 EU RoHS(Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be instock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.