



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
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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 Material

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

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
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Mechanical Characteristics

Max. Pull Tension:	70 N
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Standards

CPR Euroclass:	Dca-s1,d1,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
EU RoHS Compliance Date (yyyy-mm-dd):	2015-10-01

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero

Part Number

Variants

Item #	Color	Putup 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: 0.117 Revision Date: 03-11-2021
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