



**Product:** [70049CH](#)

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

## Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, 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

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
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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
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#### 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: 0.147 Revision Date: 12-19-2022
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