



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

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

## Product Description

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

## 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	Construction n x D	No. of Pairs
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	7x0.20 mm	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene (Foam)	1.70 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	7x0.20 mm	Under shielding foil

#### Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.9 mm	0.3 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

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-+70 °C
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## Mechanical Characteristics

Max. Pull Tension:	70 N
Min. Bend Radius During Installation:	70 mm
Min. Bend Radius During Operation:	100 mm

## Standards

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

Environmental Space:	Indoor - Euroclass Cca
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## Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
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

## History

Update and Revision:	Revision Number: 0.42 Revision Date: 02-15-2024
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