



Part Number: 70049

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

Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Dca
Suitable Applications:	1-pair 24AWG halogen-free single pair cable; For digital audio

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D
24	7x32	Bare oxygen free copper	7x0.20 mm

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

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	FPE - Foamed Polyethylene	1.70 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
Foil	Aluminum/Polyester Foil	100 %	Stranded tinned copper	24	7x0.20 mm	Under shielding foil

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH / FRNC	5.00 mm	0.10 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
86.0 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 to +70 °C
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Mechanical Characteristics

Max Recommended Pulling Tension:	70 N
Min Bend Radius During Installation:	50 mm
Min Bend Radius During Operation:	75 mm

Standards

CPR Euroclass:	Dca-s1,d1,a1
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	zero

Part Number

Variants

Item #	Color
70049.011000	GRAY
70049.01500	GRAY
70049.00500	PURPLE

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