



Part Number: 70049

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

Product Description

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

Product Specifications

Technical Specifications

Application 1:	1-pair 24AWG halogen-free single pair cable
Application 2:	For digital audio

Construction and Dimensions

Conductor:

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

Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	Foam polyethylene	1.70 mm	0.05 mm

Color Chart 1:

Number	Color
Pair 1	Red & Black

Cabling 1:

Lay Length
1 pair

Outershield 1:

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Foil	Aluminum / Polyester	100 %	Stranded tinned copper	24	7x0.20 mm	Under shielding foil

Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSNH	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 %

Use

Max Recommended Pulling Tension:	70 N
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Safety

ISO/IEC Flammability:	IEC 60332-1-2
Amt of Halogen IEC 60754-1 / EN50267-1:	zero
Amt of Halogen Acid Gas; Max Conductivity:	10 µS/mm
Amt of Halogen Acid Gas; Min pH:	4.3
LOI of Jacket:	Min. 34 %

Temperature Range

Other Temp Range:	-30 to +70 °C
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Mechanical Characteristics

Min Bend Radius During Installation:	50 mm
Min Bend Radius During Operation:	75 mm

Part Number

Standards

History

Revision Date:	2010-02-11
Revision Number:	4

Product Variants

Part Number	Color	Put-Up Type	Length
70049.00500	PURPLE	Reel	500 m
70049.011000	GRAY	Reel	1000 m
70049.01500	GRAY	Reel	500 m

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