

Product: [70057CH](#) 



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

Product Description

DIGITAL AUDIO 2 PAIR AES/EBU, 24AWG/0.22mm², ISTP, LSZH-C

Technical Specifications

Product Overview

Suitable Applications:	Digital multi-modulation cable; Used in professional studios; For the transmission of analogue and digital audio signals; Designed to meet the requirements of the AES/EBU specification
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Cross Section	Construction n x D	No. of Pairs
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	0.22 mm ²	7x0.20 mm	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	1.45 mm	0.03 mm

Color Chart

Number	Color
Pair 1 t/m 2	White & Blue

Inner Shield

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Bi-Laminate (Alum+Poly)	Beldfoil®	100%	Stranded tinned copper	24	7x0.20 mm

Table Notes:	Aluminum inside
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Inner Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.50 mm	0.10 mm

Table Notes:	Elements are numbered for identification
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Outer Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	24	7x0.20 mm

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.40 mm	1.10 mm

Construction and Dimensions

Cabling

Description	Filler

2 fillers + 2 pairs Polypropylene (2x)

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

86.0 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor

40 pF/m

Impedance

Frequency [MHz]	Nominal Characteristic Impedance	Nominal Characteristic Tolerance
0.1 - 6	110 Ohm	+/- 15 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]

80%

Temperature Range

Other Temp Range: -30 to +70 °C

Mechanical Characteristics

Min. Bend Radius During Installation: 94 mm

Min. Bend Radius During Operation: 141 mm

Standards

CPR Euroclass: Dca-s1,d2,a1

Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass Dca

EU Directive 2011/65/EU (RoHS 2): Yes

Flammability, LS0H, Toxicity Testing

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

LOI of Jacket: Min. 45 %

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

IEC 61034-2 - Smoke Density Min. Transmittance: 60%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
70057CH.00100	Violet	Reel	100 m	8719605142306
70057CH.00500	Violet	Reel	500 m	8719605010315

History

Update and Revision: Revision Number: 0.185 Revision Date: 01-15-2024

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