

Product: [70052CH](#) 



2 PAIR AES/EBU, 26AWG, ISTP, LSZH-C

Product Description

DIGITAL AUDIO 2 PAIR AES/EBU, 26AWG/0.14mm², 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; Resistance to flame propagation according to IEC 60332-3-24
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
26	7x34	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	0.14 mm ²	7x0.15 mm

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	1.10 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	26	7x0.16 mm

Table Notes:	Aluminum inside
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Inner Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.90 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	26	7x0.16 mm

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.40 mm	1.10 mm

Construction and Dimensions

Cabling

Description	Filler

2 fillers + 2 pairs Polypropylene (2x)

Min Elongation at Breakof Jacket: 125 %

Min Tensile Strength of Jacket: 9 MPa

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

134.0 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: 84 mm

Min. Bend Radius During Operation: 126 mm

Standards

CENELEC Compliance: EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space: Indoor

Flammability, LSOH, Toxicity Testing

IEC Flammability: 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

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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
70052CH.00500	Violet	Reel	500 m	8719605010148
70052CH.001000	Violet	Reel	1,000 m	8719605010124
70052CH.002000	Violet	Reel	2,000 m	8719605010131

History

Update and Revision: Revision Number: 0.183 Revision Date: 01-15-2024

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