



Product: [70058CH](#)



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

Product Description

DIGITAL AUDIO 4 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
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	0.22 mm²	7x0.20 mm

Conductor Count:	8
Total Number of Pairs:	4

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 4	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)	11.00 mm	1.20 mm

Construction and Dimensions

Cabling

Description	Filler
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1 filler + 4 pairs	Polypropylene
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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
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Mechanical Characteristics

Min. Bend Radius During Installation:	110 mm
Min. Bend Radius During Operation:	165 mm

Standards

CPR Euroclass:	Dca-s1,d2,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca & Eca
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Flammability, LSOH, 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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
70058CH.00500	Violet	Reel	500 m	8719605010360
70058CH.001000	Violet	Reel	1,000 m	8719605010353

History

Update and Revision:	Revision Number: 0.177 Revision Date: 01-15-2024
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