

Product: [70057CH](#) 



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

Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Dca
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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
24	7x32	BOFC - Bare Oxygen free Copper	0.22 mm ²	7x0.20 mm

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	FPE - Foamed Polyethylene	1.45 mm	0.03 mm

Color Chart

Number	Color
Pair 1 t/m 2	White & Blue

Inner Shield Material

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Aluminum / Polyester	Beldfoil®	100 %	Stranded tinned copper	24	7x0.20 mm

InnerShield, Table Note:	Aluminum inside
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Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	3.50 mm	0.10 mm

InnerJacket, Table Note:	Elements are numbered for identification
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Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	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
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Mechanical Characteristics

Min Bend Radius During Installation:	94 mm
Min Bend Radius During Operation:	141 mm

Standards

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

EU RoHS Compliance Date (yyyy-mm-dd):	2013-12-18
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
LOI of Jacket:	Min. 45 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
70057CH.00500	Violet	500 m
70057CH.00100	Violet	100 m

History

Update and Revision:	Revision Number: 0.139 Revision Date: 01-31-2020
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