

Part Number: 70059CH



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

Product Description

DIGITAL AUDIO 8 PAIR AES/EBU, 24AWG/0.22mm², ISTD, LSZH-C

Technical Specifications

Product Overview

Environmental Space:	Indoor
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	No. of Pairs
24	7x32	BOFC - Bare Oxygen free Copper	8

Conductor Count:	16
Total Number of Pairs:	8
Conductor Size:	24 AWG

Insulation

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

Color Chart

Number	Color
Pairs 1 t/m 8	White & Blue

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Foil	Aluminium / Polyester	Beldfoil®	100 %	Stranded tinned copper	24

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	3.5 mm	0.1 mm

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

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG
Foil	Aluminum/Polyester	100 %	Stranded tinned copper	24

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH / FRNC	14.5 mm	0.1 mm	1.2 mm

Construction and Dimensions

Cabling

Description

8 pairs + drainwire stranded tinned copper (AWG24)(7x0.20mm) + Filler

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

86 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor

40 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
110 Ohm	15 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]

80 %

Temperature Range

Other Temp Range: -30-+70 °C

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd): 2016-05-13

Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability: IEC 60332-3-24

LOI of Jacket: 45 %

Amount of Halogen acc. to IEC 60754-1 & EN50267-1: Zero

Part Number

Variants

Item #	Color
70059CH.00500	Violet
70059CH.00100	Violet

History

Revision Number: 3

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