

Part Number: 70059



8 PAIR AES/EBU, 24AWG, ISTP, LSZH

Product Description

DIGITAL AUDIO 8 PAIR AES/EBU, 24AWG/0.22mm², ISTP, LSZH

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Eca
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	Bare oxygen free copper	0.22 mm ²	7x0.20 mm

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

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 8	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 Foil	100 %	Stranded tinned copper	24	7x0.20 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	14.50 mm	1.20 mm

Construction and Dimensions

Cabling

Filler

Polypropylene

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:	145 mm
Min Bend Radius During Operation:	217.5 mm

Standards

CPR Euroclass: Eca

Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	zero

Part Number

Variants

Item #	Color
70059.00500	VIOLET
70059.009999	VIOLET

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