



Product: [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

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:		16		
Total Number of Pairs:		8		

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 8	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			

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

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)	14.50 mm	1.20 mm

Construction and Dimensions

Cabling	
Description	Filler

1 filler + 8 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:	145 mm
Min. Bend Radius During Operation:	217.5 mm

## Standards

CPR Euroclass:	Eca
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
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## Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
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
70059.00500	Violet	Reel	500 m	8719605010407

## History

Update and Revision:	Revision Number: 0.187 Revision Date: 01-15-2024
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