


Product: [70059](#) 



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

## Product Description

DIGITAL AUDIO 8 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, 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 mm <sup>2</sup>	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	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Alum / Poly	Beldfoil®	100%	Stranded tinned copper	24	7x0.20 mm

Table Notes:	Aluminum inside
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#### Inner Jacket Material

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 Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	100%	TC - Tinned Copper	24	7x0.20 mm

#### Outer Jacket Material

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

## 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

## Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass Eca

EU RoHS Compliance Date (yyyy-mm-dd): 2005-01-01

## Flammability, LS0H, Toxicity Testing

IEC Flammability: IEC 60332-1-2

LOI of Jacket: Min. 34 %

IEC 60754-1 (EN50267-1)- Halogen Amount: Zero

IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: 2.5 µS/mm

IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: 4.3

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
70059.009999	Violet	Reel	499 m	8719605010414
70059.00500	Violet	Reel	500 m	8719605010407

## History

Update and Revision: Revision Number: 0.144 Revision Date: 04-08-2020

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