

Product: [70055CH](#) 



12 PAIR AES/EBU, 26AWG, ISTP, LSZH-C

## Product Description

DIGITAL AUDIO 12 PAIR AES/EBU, 26AWG/0.14mm<sup>2</sup>, ISTP, LSZH-C

## 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; Resistance to flame propagation according to IEC 60332-3-24
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
26	7x34	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	0.14 mm <sup>2</sup>	7x0.15 mm

Conductor Count:	24
Total Number of Pairs:	12

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	1.10 mm	0.03 mm

#### Color Chart

Number	Color
Pair 1 t/m 12	White & Blue

#### Inner Shield Material

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Bi-Laminate (Alum+Poly)	Beldfoil®	100%	Stranded tinned copper	26	7x0.16 mm

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

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.90 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	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	26	7x0.16 mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	14.70 mm	1.30 mm

### Construction and Dimensions

#### Cabling

Description	Filler

3 fillers + 12 pairs Cotton (3x)

Min Elongation at Breakof Jacket: 125 %

Min Tensile Strength of Jacket: 9 MPa

## Electrical Characteristics

### Conductor DCR

#### Nominal Conductor DCR

134.0 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: 147 mm

Min Bend Radius During Operation: 220.5 mm

## Standards

CENELEC Compliance: EN 50290-2-20

## Applicable Environmental and Other Programs

Environmental Space: Indoor

EU RoHS Compliance Date (yyyy-mm-dd): 2013-12-19

## Flammability, LS0H, Toxicity Testing

IEC Flammability: IEC 60332-3-24

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

IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance: 60%

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
70055CH.00500	Green	Reel	500 m	8719605010261

## History

Update and Revision: Revision Number: 0.154 Revision Date: 12-17-2020

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