

**Part Number: 70060CH**



12 PAIR AES/EBU, 24AWG, ISTP, LSZH-C

**Product Description**

DIGITAL AUDIO12 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, ISTP, LSZH-C

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor - Euroclass Cca
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	BOFC - Bare Oxygen free Copper	0.22 mm <sup>2</sup>	7x0.20 mm

Conductor Count:	24
Total Number of Pairs:	12
Conductor Size:	24 AWG

**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 12	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	100 %	Stranded tinned copper	24	7x0.20 mm

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	16.90 mm	1.30 mm

**Construction and Dimensions**

## Cabling

Description	Filler
3 fillers + 12 pairs	Cotton (3x)

## 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:	169 mm
Min Bend Radius During Operation:	253.5 mm

## Standards

CPR Euroclass:	Cca-s1a,d1,a1
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## Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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## Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
LOI of Jacket:	Min. 45 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

## Part Number

### Variants

Item #	Color	Length
70060CH.001000	Violet	1,000 m
70060CH.00305	Violet	305 m
70060CH.00500	Violet	500 m
70060CH.009999	Violet	400 m
70060CH.00M30	Violet	30 m
70060CH.00M365	Violet	365 m
70060CH.00M50	Violet	50 m

## History

Update and Revision:	Revision Number: 0.129 Revision Date: 05-07-2019
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