

**Part Number: 70057CH**



**2 PAIR AES/EBU, 24AWG, ISTD, LSZH-C**

### Product Description

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

### Technical Specifications

#### Product Overview

Environmental Space:	Indoor - Euroclass Dca
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 <sup>2</sup>	7x0.20 mm

Conductor Count:	4
Total Number of Pairs:	2
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 2	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	9.40 mm	1.10 mm

#### Construction and Dimensions

##### Cabling

Filler
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Polypropylene (2x)

## 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: 94 mm

Min Bend Radius During Operation: 141 mm

## Standards

CPR Euroclass: Dca-s1,d2,a1

## Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability: 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
70057CH.00500	VIOLET
70057CH.00100	VIOLET

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