

Product: [70071CH](#) 



8 PAIR AES/EBU, 22AWG, ISTD, LSZH-C

## Product Description

DIGITAL AUDIO 8 PAIR AES/EBU, 22AWG/0.34mm<sup>2</sup>, ISTD, 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
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	8

Conductor Count:	16
Total Number of Pairs:	8

#### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene (Foam)	2.1 mm	0.05 mm

#### Color Chart

Number	Color
Pair 1 t/m 8	Red & Black

#### Inner Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Position
Tape	Bi-Laminate (Alum+Poly)	100%	Stranded tinned copper	22	Under shielding foil

#### Inner Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.3 mm	0.1 mm

Table Notes:	Elements are numbered for identification
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#### Outer Shield

Material
Bi-Laminate (Alum+Poly)

#### Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	21.3 mm	0.1 mm

## Construction and Dimensions

### Cabling

Description
1 center filler + 8 pairs + stranded tinned copper drainwire (22AWG)(7x0.25) covered with a non-woven foil

## Electrical Characteristics

### Conductor DCR

#### Nominal Conductor DCR

86 Ohm/km

### Capacitance

#### Nom. Capacitance Conductor to Conductor

40 pF/m

### Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
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110 Ohm

15 Ohm

### Delay

#### Nominal Velocity of Propagation (VP) [%]

80%

## Temperature Range

Other Temp Range: -30-+70 °C

## Mechanical Characteristics

Min Setting Radius: 106.5 mm

## Standards

CPR Euroclass: Dca-s1,d1,a1

## Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass Dca

## Flammability, LSOH, Toxicity Testing

IEC Flammability: IEC 60332-1-2 and IEC 60332-3-24

IEC 60754-1 - Halogen Amount: Zero

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	EAN
70071CH.00500	Gray	Reel	500 m	8719605010674

## History

Update and Revision: Revision Number: 0.133 Revision Date: 04-08-2022

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