

Product: [70068CH](#) 



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

### Product Description

DIGITAL AUDIO 10 PAIR AES/EBU, 24AWG/0.22mm<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
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	10

Conductor Count:	20
Total Number of Pairs:	10

##### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene (Foam)	1.45 mm	0.03 mm

##### Color Chart

Number	Color
Pairs 1 t/m 10	White & Blue

##### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	Stranded tinned copper	24

##### Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.5 mm	0.1 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	24	Stranded

##### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	15.6 mm	0.1 mm	1.2 mm

#### Construction and Dimensions

##### Cabling

Description
10 pairs + drainwire stranded tinned copper (AWG24)(7x0.20mm) + Filler

## Electrical Characteristics

### Conductor DCR

#### Nominal Conductor DCR

86 Ohm/km

### Capacitance

#### Nom. Capacitance Conductor to Conductor

40 pF/m

### Impedance

#### Nominal Characteristic Impedance

110 Ohm

#### Nominal Characteristic Tolerance

15 Ohm

## Temperature Range

Other Temp Range: -30-+70 °C

## Applicable Environmental and Other Programs

Environmental Space: Indoor

EU RoHS Compliance Date (yyyy-mm-dd): 2016-02-26

## Flammability, LS0H, Toxicity Testing

IEC Flammability: IEC 60332-3-24

LOI of Jacket: 45 %

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
70068CH.00500	Violet	Reel	500 m	8719605010650

## History

Update and Revision: Revision Number: 0.120 Revision Date: 09-30-2020

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