

Product: [70059CH](#) 



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

## Product Description

DIGITAL AUDIO 8 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)	8

Conductor Count:	16
Total Number of Pairs:	8

#### Insulation

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

#### Color Chart

Number	Color
Pairs 1 t/m 8	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)	14.5 mm	0.1 mm	1.2 mm

## Construction and Dimensions

### Cabling

Description
8 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): 2016-05-13

## 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
70059CH.00100	Violet	Reel	100 m	8719605142313
70059CH.00500	Violet	Reel	500 m	8719605010438

## History

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

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