

Product: [70068CH](#) 



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

Product Description

DIGITAL AUDIO 10 PAIR AES/EBU, 24AWG/0.22mm², 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 |
|------------------------|---|

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

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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