

Product: [70060CH](#) 



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

## Product Description

DIGITAL AUDIO12 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
------------------------	--

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	0.22 mm <sup>2</sup>	7x0.20 mm

Conductor Count:	24
Total Number of Pairs:	12

#### Insulation

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

#### Color Chart

Number	Color
Pair 1 t/m 12	White & Blue

#### Inner Shield

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Bi-Laminate (Alum+Poly)	Beldfoil®	100%	Stranded tinned copper	24	7x0.20 mm

Table Notes:	Aluminum inside
--------------	-----------------

#### Inner Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.50 mm	0.10 mm

Table Notes:	Elements are numbered for identification
--------------	--

#### Outer Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	24	7x0.20 mm

#### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	16.90 mm	1.30 mm

## Construction and Dimensions

#### Cabling

Description	Filler

3 fillers + 12 pairs Cotton (3x)

## 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:	169 mm
Min. Bend Radius During Operation:	253.5 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, IEC 60332-3-24
LOI of Jacket:	Min. 45 %
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	80%

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	EAN
70060CH.00500	Violet	Reel	500 m	8719605010483

## History

Update and Revision: Revision Number: 0.182 Revision Date: 01-15-2024

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.