

**Product:** [70057CH](#) 



2 PAIR AES/EBU, 24AWG, ISTD, LSZH-C

## Product Description

DIGITAL AUDIO 2 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, ISTD, LSZH-C

## Technical Specifications

### Product Overview

Environmental Space:	Indoor - Euroclass Dca
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	BOFC - Bare Oxygen free Copper	0.22 mm <sup>2</sup>	7x0.20 mm

Conductor Count:	4
Total Number of Pairs:	2

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	FPE - Foamed Polyethylene	1.45 mm	0.03 mm

#### Color Chart

Number	Color
Pair 1 t/m 2	White & Blue

#### Inner Shield Material

Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Aluminum / Polyester	Beldfoil®	100 %	Stranded tinned copper	24	7x0.20 mm

InnerShield, Table Note:	Aluminum inside
--------------------------	-----------------

#### Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	3.50 mm	0.10 mm

InnerJacket, Table Note:	Elements are numbered for identification
--------------------------	--

#### Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Foil	Aluminum/Polyester	100 %	Stranded tinned copper	24	7x0.20 mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	9.40 mm	1.10 mm

## Construction and Dimensions

### Cabling

Description	Filler
2 fillers + 2 pairs	Polypropylene (2x)

## 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:	94 mm
Min Bend Radius During Operation:	141 mm

## Standards

CPR Euroclass:	Dca-s1,d2,a1
----------------	--------------

## Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2013-12-18
---------------------------------------	------------

## Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
LOI of Jacket:	Min. 45 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

## Part Number

### Variants

Item #	Color	Length
70057CH.00500	Violet	500 m
70057CH.00100	Violet	100 m

## History

Update and Revision:	Revision Number: 0.139 Revision Date: 01-31-2020
----------------------	--

© 2020 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.