



Part Number: 70050CH

1 PAIR AES/EBU, 22AWG, ISTD, LSZH-C

Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 22AWG/0.34mm², ISTD, LSZH-C

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass B2ca
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; The cable is very flexible and has a small outer diameter for use in applications where space is limited

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	BOFC - Bare Oxygen free Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	22 AWG

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
FPE - Foamed Polyethylene	2.1 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Red & Black

Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Position
Foil	Aluminum/Polyester	100 %	Stranded tinned copper	22	Under shielding foil

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH / FRNC	7.4 mm	0.1 mm

Construction and Dimensions

Cabling

Description
1 pair + drainwire stranded tinned copper (AWG22)(7x0.25mm)

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
58 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
45 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
110 Ohm	15 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
76 %

Temperature Range

Other Temp Range:	-30-+70 °C
-------------------	------------

Mechanical Characteristics

Max Recommended Pulling Tension:	70 N
----------------------------------	------

Standards

CPR Euroclass:	B2ca-s2,d1,a1
----------------	---------------

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2014-12-15
---------------------------------------	------------

Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-3-24
LOI of Jacket:	40 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color
70050CH.00500	Gray

History

Revision Number:	6
------------------	---

© 2019 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.