Product: 70071CH





8 PAIR AES/EBU, 22AWG, ISTP, LSZH-C

Product Description

DIGITAL AUDIO 8 PAIR AES/EBU, 22AWG/0.34mm², 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
22	7x30	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)	2.1 mm	0.05 mm

Color Chart

Number	Color
Pair 1 t/m 8	Red & Black

Inner Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Position
Tape	Bi-Laminate (Alum+Poly)	100%	Stranded tinned copper	22	Under shielding foil

Inner Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.3 mm	0.1 mm

Table Notes:	Elements are numbered for identification

Outer Shield

Material
Bi-Laminate (Alum+Poly)

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	21.3 mm	0.1 mm

Construction and Dimensions

Cabling

Description
1 center filler + 8 pairs + stranded tinnend copper drainwire (22AWG)(7x0.25) covered with a non-woven foil

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
86 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
40 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
110 Ohm	15 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
80%

Temperature Range

Other Temp Range:	-30-+70 °C

Mechanical Characteristics

Min Setting Radius:	106.5 mm

Standards

CPR Euroclass:	Dca-s1,d1,a1

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
IEC 60754-1 - Halogen Amount:	Zero

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
70071CH.00500	Gray	Reel	500 m	8719605010674

History

Update and Revision:	Revision Number: 0.145 Revision Date: 01-15-2024

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