

Part Number: 70052CH



2 PAIR AES/EBU, 26AWG, ISTD, LSZH-C

Product Description

DIGITAL AUDIO 2 PAIR AES/EBU, 26AWG/0.14mm², ISTD, LSZH-C

Technical Specifications

Product Overview

Environmental Space:	Indoor
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; Resistance to flame propagation according to IEC 60332-3-24

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
26	7x34	BOFC - Bare Oxygen free Copper	0.14 mm ²	7x0.15 mm

Conductor Count:	4
Total Number of Pairs:	2
Conductor Size:	26 AWG

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	FPE - Foamed Polyethylene	1.10 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	26	7x0.16 mm

InnerShield, Table Note:	Aluminum inside
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Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	2.90 mm	0.10 mm

InnerJacket, Table Note:	Elements are numbered for identification
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Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Foil	Aluminum/Polyester	100 %	Stranded tinned copper	26	7x0.16 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	8.40 mm	1.10 mm

Construction and Dimensions

Cabling

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

Min Elongation at Breakof Jacket:	125 %
Min Tensile Strength of Jacket:	9 MPa

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
134.0 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
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Mechanical Characteristics

Min Bend Radius During Installation:	84 mm
Min Bend Radius During Operation:	126 mm

Standards

CENELEC Compliance:	EN 50290-2-20
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Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2013-12-17
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Flammability, LS0H, Toxicity Testing

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

Part Number

Variants

Item #	Color	Length
70052CH.001000	Violet	1,000 m
70052CH.002000	Violet	2,000 m
70052CH.00500	Violet	500 m

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