

Part Number: 70053CH



4 PAIR AES/EBU, 26AWG, ISTP, LSZH-C

Product Description

DIGITAL AUDIO 4 PAIR AES/EBU, 26AWG/0.14mm², ISTP, 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	Bare oxygen free copper	0.14 mm ²	7x0.15 mm

Conductor Count:	8
Total Number of Pairs:	4
AWG Size:	26

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 4	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 Foil	100 %	Stranded tinned copper	26	7x0.16 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC	9.80 mm	1.20 mm

Construction and Dimensions

Cabling

Filler

Polypropylene

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

Mechanical Characteristics

Min Bend Radius During Installation: 98 mm

Min Bend Radius During Operation: 147 mm

Standards

CENELEC Compliance: EN 50290-2-20

Flammability, LSOH, 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
70053CH.00500	VIOLET
70053CH.00200	VIOLET

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