

Part Number: BE46937



12 PAIR AES/EBU, 26AWG, ISTP, LSZH, STAGE

Product Description

12 PAIR AES/EBU, 26AWG/0.14mm², ISTP, LSZH, STAGE

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Digital multi-modulation cable used in professional studiotekhnics; For analogue and digital transmission in instruments for frequency modulation

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D
26	18x38	TC - Tinned Copper	18x0.10 mm

Conductor Count:	24
Total Number of Pairs:	12
Conductor Size:	26 AWG

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	Polyethylene	1.13 mm	0.03 mm

Color Chart

Number	Color
Pair 1 t/m 12	White & Blue

Inner Shield Material

Type	Material	Min. Coverage [%]
Foil	Polyester	
Serve	Tinned copper	90 %

Inner Jacket Material

Material	Color	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
FRNC / LSZH	Gray	2.90 mm	0.10 mm	0.20 mm

InnerJacket, Table Note:	Elements are numbered
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Outer Shield Material

Type	Material	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Drainwire Position	Min. Coverage [%]
Braid	TC - Tinned Copper	Stranded tinned copper	26	18x0.10 mm	Over separating foil, under braid	90 %

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH / FRNC	14.20 mm	0.50 mm	1.10 mm

Construction and Dimensions

Cabling

Description
3 fillers + 12 pairs covered with a non-woven separating foil

Electrical Characteristics

Conductor DCR

Max. Conductor DCR	Nominal Inner Shield DCR
130 Ohm/km	40 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
56 pF/m	220 pF/m

Inductance

Nominal Pair Inductance
0.80 µH/m

Impedance

Frequency [MHz]	Nominal Characteristic Impedance	Nominal Characteristic Tolerance
0.1 - 6	110 Ohm	+/- 10 Ohm
6 - 24	110 Ohm	20 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
2 MHz	3.1 dB/100m
4 MHz	6.2 dB/100m
5 MHz	7.3 dB/100m
6 MHz	8.2 dB/100m
12 MHz	13.1 dB/100m
24 MHz	21.1 dB/100m

Delay

Nominal Velocity of Propagation (VP) [%]
60 %

Temperature Range

Other Temp Range:	-30 to +70 °C
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Mechanical Characteristics

Max Recommended Pulling Tension:	600 N
Min Bend Radius During Installation:	142 mm
Min Bend Radius During Operation:	213 mm

Standards

CENELEC Compliance:	EN 50290-2-27
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Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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Flammability, LSOH, Toxicity Testing

Amount of Halogen acc. to IEC 60754-1 & EN50267-1: Zero

Part Number

Variants

Item #	Color
BE46937.00250	Gray
BE46937.00500	Gray
BE46937.01250	Gray
BE46937.01500	Gray

History

Revision Number:	2
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