



Product: [BE46959](#)

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

## Product Description

1 PAIR AES/EBU, 26AWG/0.14mm<sup>2</sup>, ISTP, LSZH, STAGE

## Technical Specifications

### Product Overview

Suitable Applications:	Digital multi-modulation cable used in professional studiotronics; For analogue and digital transmission in instruments for frequency modulation; Designed to meet the requirements of the AES/EBU specification
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

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

#### Color Chart

Number	Color
Pair 1	White & Blue

#### Inner Shield Material

Type	Material
Tape	Polyester

#### Outer Shield Material

Type	Material	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Min. Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	TC - Tinned Copper	26	18x0.10 mm	90%

#### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen flame retardant	3.90 mm	0.10 mm

### Construction and Dimensions

#### Cabling

Description
1 pair

### Electrical Characteristics

#### Conductor DCR

Max. Conductor DCR	Nominal Outer Shield DCR
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130 Ohm/km	40.0 Ohm/km
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#### Capacitance

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

#### Inductance

Nominal Pair Inductance
0.80 $\mu$ H/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. Pull Tension:	50 N
Min Bend Radius During Installation:	39 mm
Min Bend Radius During Operation:	58.5 mm

#### Standards

CPR Euroclass:	Dca-s2,d1,a1
CENELEC Compliance:	EN 50290-2-27

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

#### Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Other Flammability:	CEI 20-22/3
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 $\mu$ S/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3

#### Part Number

#### Variants

Item #	Color	Putup Type	Length	EAN
BE46959.01250	Gray	Reel	250 m	8719605027924
BE46959.02500	Gray	Reel	500 m	8719605027931
BE46959.11500	Gray	Reel	500 m	8719605027948

#### History

Update and Revision:	Revision Number: 0.144 Revision Date: 04-08-2020
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