



**Product:** [YE00193](#)

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
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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

#### Outer Shield

Type	Material	Min. Coverage [%]
Tape	Polyester	
Spiral Serve / Screen	Tinned Copper (TC)	90%

#### Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.90 mm	0.10 mm

### Construction and Dimensions

#### Cabling

Description
1 pair

### Electrical Characteristics

#### Conductor DCR

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

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield

56 pF/m	220 pF/m
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Min Insulation Resistance:	2000 MOhm*km
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#### 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 +80 °C
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#### Mechanical Characteristics

Max. Pull Tension:	50 N
Min. Bend Radius During Installation:	29 mm
Min. Bend Radius During Operation:	43.5 mm

#### Standards

CPR Euroclass:	Eca
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#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
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#### Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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#### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
YE00193.00500	Gray	Reel	500 m	8719605111906

#### History

Update and Revision:	Revision Number: 0.131 Revision Date: 02-15-2024
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