

**Part Number: 70056**



**16 PAIR AES/EBU, 26AWG, ISTP, LSZH**

## Product Description

DIGITAL AUDIO 16 PAIR AES/EBU, 26AWG/0.14mm<sup>2</sup>, ISTP, LSZH

## 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

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
26	7x34	Bare oxygen free copper	0.14 mm <sup>2</sup>	7x0.15 mm

Conductor Count:	32
Total Number of Pairs:	16
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 16	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	16.50 mm	1.30 mm

## Construction and Dimensions

#### Cabling

Filler
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Polypropylene

## 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:	165 mm
Min Bend Radius During Operation:	247.5 mm

## Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	zero

## Part Number

### Variants

Item #	Color
70056.00100	VIOLET
70056.00500	VIOLET

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