



Product: [70075](#)

1 PAIR AES/EBU, 24AWG, ISTP, FRNC/LSZH

## Product Description

1 PAIR AES/EBU, 24AWG, ISTP, FRNC/LSZH

## Technical Specifications

### Product Overview

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
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Cross Section	Construction n x D
24	7x32	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	0.22 mm <sup>2</sup>	7x0.20 mm

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene (Foam)	1.45 mm	0.03 mm

#### Color Chart

Number	Color
Pair 1	Black & Red

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	7x0.20 mm

#### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.50 mm	0.10 mm

### Construction and Dimensions

#### Cabling

Description
1 pair

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
86.0 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
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#### Mechanical Characteristics

Min. Bend Radius During Installation:	35 mm
Min Bend Radius During Operation:	52.5 mm

#### Standards

CPR Euroclass:	Dca-s2,d1,a1
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#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
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#### Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3

#### Part Number

##### Variants

Item #	Color	Putup Type	Length	EAN
70075.01305	Black	Reel	305 m	8719605010681
70075.01500	Black	Reel	500 m	8719605010698

#### History

Update and Revision:	Revision Number: 0.164 Revision Date: 07-12-2021
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