



Product: [70077](#)

1 PAIR AES/EBU, 24AWG, ISTD, PVC

### Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 24AWG/0.22mm<sup>2</sup>, ISTD, PVC

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
24	7x32	BC - Bare Copper	1

Conductor Count:	2
Total Number of Pairs:	1

##### Insulation

Material	Nominal Diameter
PE - Polyethylene	1.55 mm

##### Color Chart

Number	Color
Pair 1	White & Blue

##### Outer Shield

Material	Coverage [%]
Bare Copper (BC)	90%

##### Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	6.5 mm	0.2 mm

Table Notes:	Flexible Matte Finish Sheath
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#### Construction and Dimensions

##### Cabling

Description
1 Pair + 2 fillers

#### Electrical Characteristics

##### Conductor DCR

Max. Conductor DCR
87 Ohm/km

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
60 pF/m	45 pF/m

##### Inductance

Nominal Inductance
0.75 $\mu$ H/m

#### Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
110 Ohm	11 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.15 MHz	0.3 dB/100m
1 MHz	1.5 dB/100m
4 MHz	3.8 dB/100m
10 MHz	6 dB/100m
20 MHz	8.5 dB/100m

#### Temperature Range

Installation Temperature Range:	-5°C To +50°C
Operating Temperature Range:	-30°C To +70°C
Other Temp Range:	-30-+70 °C

#### Mechanical Characteristics

Min Setting Radius:	26 mm
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#### Applicable Environmental and Other Programs

Environmental Space:	Indoor
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#### Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1
LOI of Jacket:	34 %
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	10 $\mu$ S/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

#### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
70077.01100	Black	Reel	100 m	8719605010711
70077.01500	Black	Reel	500 m	8719605010742
70077.011000	Black	Reel	1,000 m	8719605010728
70077.00500	Gray	Reel	500 m	8719605010704

#### History

Update and Revision:	Revision Number: 0.127 Revision Date: 04-08-2022
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