



**Part Number: 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

### Product Overview

Environmental Space:	Indoor
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
Total Number of Pairs:	1
AWG Size:	24

#### Insulation

Material	Nominal Diameter
Polyethylene	1.55 mm

#### Color Chart

Number	Color
Pair 1	White & Blue

#### Outer Shield Material

Material	Coverage [%]
0.12 mm Bare copper	90 %

#### Outer Jacket Material

Material	Color	Nominal Diameter	Diameter +/- Tolerance
Flexible PVC with matte finish	Black (RAL 9005)	6.5 mm	0.2 mm

### 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 µH/m

#### Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance

110 Ohm	11 Ohm
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#### 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 Temp Range:	-5°C To +50°C
Operating Temp Range:	-30°C To +70°C
Other Temp Range:	-30-+70 °C

#### Mechanical Characteristics

Min Setting Radius:	26 mm
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#### Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1
LOI of Jacket:	34 %

#### Part Number

#### Variants

Item #	Color
70077.01100	BLACK
70077.011000	BLACK
70077.014444	BLACK
70077.01500	BLACK
70077.019999	BLACK
70077.00500	GRAY

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