



Product: [70077](#)

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

Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 24AWG/0.22mm², ISTP, 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

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

Outer Jacket Material

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

| | |
|--------------|------------------------------|
| Table Notes: | Flexible Matte Finish Sheath |
|--------------|------------------------------|

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 μ 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 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 |
|---------------------|-------|

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------|
| Environmental Space: | Indoor |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2015-01-19 |

Flammability, LS0H, Toxicity Testing

| | |
|------------------------------------------------------------------------------|---------------|
| IEC Flammability: | IEC 60332-1 |
| LOI of Jacket: | 34 % |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: | 10 μ S/mm |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: | 4.3 |
| IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance: | 60% |

Part Number

Variants

| Item # | Color | Putup 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: 0.109 Revision Date: 09-30-2020 |
|----------------------|--------------------------------------------------|

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