



Part Number: 70050

1 PAIR AES/EBU, 22AWG, ISTP, LSZH

Product Description

DIGITAL AUDIO 1 PAIR AES/EBU, 22AWG/0.34mm², ISTP, LSZH

Technical Specifications

Product Overview

| | |
|------------------------|----------------------------------------------------------------|
| Environmental Space: | Indoor |
| Suitable Applications: | 1-pair 22AWG halogen-free single pair cable; For digital audio |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Construction n x D |
|-----|-----------|-------------------------|--------------------|
| 22 | 7x30 | Bare oxygen free copper | 7x0.25 mm |

| | |
|------------------------|----|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |
| AWG Size: | 22 |

Insulation

| Type | Material | Nominal Diameter | Diameter +/- Tolerance |
|------------|---------------------------|------------------|------------------------|
| Insulation | FPE - Foamed Polyethylene | 2.10 mm | 0.05 mm |

Color Chart

| Number | Color |
|--------|-------------|
| Pair 1 | Red & Black |

Outer Shield Material

| Type | Material | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D | Drainwire Position |
|------|-------------------------|--------------|------------------------|---------------|------------------------------|----------------------|
| Foil | Aluminum/Polyester Foil | 100 % | Stranded tinned copper | 22 | 7x0.25 mm | Under shielding foil |

Outer Jacket Material

| Material | Nominal Diameter | Diameter +/- Tolerance |
|-------------|------------------|------------------------|
| LSZH / FRNC | 6.00 mm | 0.10 mm |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 58.0 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 45 pF/m |

Impedance

| Frequency [MHz] | Nominal Characteristic Impedance | Nominal Characteristic Tolerance |
|-----------------|----------------------------------|----------------------------------|
| 0.1 - 6 | 110 Ohm | +/- 15 Ohm |

Delay

Nominal Velocity of Propagation (VP) [%]

76 %

Temperature Range

Other Temp Range: -30 to +70 °C

Mechanical Characteristics

| | |
|--------------------------------------|-------|
| Max Recommended Pulling Tension: | 70 N |
| Min Bend Radius During Installation: | 60 mm |
| Min Bend Radius During Operation: | 90 mm |

Standards

CPR Euroclass: Fca

Flammability, LS0H, 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 |
|-------------|--------|
| 70050.01500 | GREEN |
| 70050.00500 | PURPLE |

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