



**Product:** [70031](#)

**AUDIO ANALOG 1 PAIR, 22AWG, ISTP, LSZH**

## Product Description

ANALOG AUDIO 1 PAIR, 22AWG/0.34mm<sup>2</sup>, ISTP, LSZH

## Technical Specifications

### Product Overview

Suitable Applications:	1-pair 22AWG halogen-free screened pair cable; For analogue audio
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Construction n x D
22	7x30	BC-OFHC - Oxygen-Free Bare Copper (High Conductivity)	7x0.25 mm

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene	1.16 mm	0.05 mm

#### Color Chart

Number	Color
Pair 1	Red & Black

#### Outer Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	22	7x0.25 mm	Under shielding foil

#### Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.50 mm	0.20 mm

### Construction and Dimensions

#### Cabling

Description
1 pair

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
46.0 Ohm/km	46.9 Ohm/km

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield

115 pF/m	220 pF/m
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## Inductance

<b>Nominal Inductance</b>
0.56 $\mu$ H/m

## Voltage

<b>Non-UL Voltage Rating</b>
100 V

## Temperature Range

Other Temp Range:	-30 to +70 °C
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## Mechanical Characteristics

Max. Pull Tension:	120 N
Min. Bend Radius During Installation:	35 mm
Min Setting Radius:	17.5 mm

## Standards

CPR Euroclass:	Eca
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## Applicable Environmental and Other Programs

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

IEC Flammability:	IEC 60332-1-2
LOI of Jacket:	Min. 34 %
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 $\mu$ S/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	EAN
70031.01100	Black	Reel	100 m	8719605125750
70031.01500	Black	Reel	500 m	8719605125767
70031.00100	Gray	Reel	100 m	8719605009579
70031.00500	Gray	Reel	500 m	8719605009586

## History

Update and Revision:	Revision Number: 0.176 Revision Date: 02-15-2024
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