BELDEN

Product: 70031

AUDIO ANALOG 1 PAIR, 22AWG, ISTP, LSZH

Product Description

ANALOG AUDIO 1 PAIR, 22AWG/0.34mm², ISTP, LSZH

Technical Specifications

Product Overview

Suitable Applications:	1-pair 22AWG halogen-free screened pair cable; For analogue audio

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

Inductance

Nominal Inductance
0.56 µH/m

Voltage

Non-UL Voltage Rating
100 V

Temperature Range

Other Temp Range:	-30 to +70 °C

Mechanical Characteristics

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

Standards

CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca

Flammability, LS0H, 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 µS/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