

Product: [1513ENH](#) 



AUDIO ANALOG 12 PAIR 24AWG, BELDFOIL, LSZH

Product Description

ANALOG AUDIO 12 PAIR 24AWG/0.22mm², BELDFOIL, LSZH

Technical Specifications

Product Overview

Suitable Applications:	12-pair 24AWG halogen-free multi-core cable; For analogue audio
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D
24	7x32	TC - Tinned Copper	7x0.20 mm

Conductor Count:	24
Total Number of Pairs:	12

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Insulation	PE - Polyethylene	1.02 mm	0.05 mm

Color Chart

Number	Color
Pair 1 t/m 12	Red & Black

Inner Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Tape	Bi-Laminate (Alum+Poly)	100%	Stranded tinned copper	24	7x0.20 mm	Under shielding foil

Table Notes:	Aluminum inside
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Inner Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.86 mm

Table Notes:	Jacket single element, elements are numbered 1 - 12
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Outer Shield

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	7xAWG26	7x0.40 mm

Outer Jacket

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	14.00 mm	0.50 mm	1.00 mm

Construction and Dimensions

Cabling

Description

3 fillers + 12 pairs

Min Elongation at Breakof Jacket:	125 %
Min Tensile Strength of Jacket:	9 MPa

Electrical Characteristics

Conductor DCR

Max. Conductor DCR	Nominal Inner Shield DCR
88.5 Ohm/km	52 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
92 pF/m	180 pF/m

Inductance

Nominal Inductance
0.75 μ H/m

Temperature Range

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

Max. Pull Tension:	670 N
Min. Bend Radius During Installation:	140 mm
Min. Bend Radius During Operation:	210 mm

Standards

CPR Euroclass:	Dca-s1,d2,a1
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 μ S/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
1513ENH.01500	Black	Reel	500 m	8719605001887
1513ENH.011000	Black	Reel	1,000 m	8719605001870
1513ENH.00152	Gray	Reel	152 m	8719605001849
1513ENH.00500	Gray	Reel	500 m	8719605001856

History

Update and Revision:	Revision Number: 0.179 Revision Date: 06-20-2022
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