

Product: [1510ENH](#) 



AUDIO ANALOG 4 PAIR 24AWG, BELDFOIL, LSZH

## Product Description

ANALOG AUDIO 4 PAIR 24AWG/0.22mm<sup>2</sup>, BELDFOIL, LSZH

## Technical Specifications

### Product Overview

Suitable Applications:	4-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:	8
Total Number of Pairs:	4

#### Insulation

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

#### Color Chart

Number	Color
Pair 1 t/m 4	Red & Black

#### Inner Shield Material

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

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

Table Notes:	Jacket single element, elements are numbered 1 - 4
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#### Outer Shield Material

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

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.90 mm	0.40 mm	1.00 mm

## Construction and Dimensions

### Cabling

Description
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1 center filler + 4 pairs
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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 µH/m

## Temperature Range

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

Max. Pull Tension:	246 N
Min Bend Radius During Installation:	89 mm
Min Bend Radius During Operation:	133.5 mm

## Standards

CENELEC Compliance:	EN 50290-2-20
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2011-08-10

## Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/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:	IEC 61034-2

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
1510ENH.00305	Black	Reel	305 m	8719605001726

## History

Update and Revision:	Revision Number: 0.152 Revision Date: 09-30-2020
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