



Product: [1512ECH](#)



AUDIO ANALOG 8 PAIR 24AWG, BELDFOIL, LSZH-C

Product Description

ANALOG AUDIO 8 PAIR 24AWG/0.22mm², BELDFOIL, LSZH-C

Technical Specifications

Product Overview

Suitable Applications:	8-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:	16
Total Number of Pairs:	8

Insulation

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

Color Chart

Number	Color
Pair 1 t/m 8	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 - 8
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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)	11.70 mm	0.40 mm	1.00 mm

Construction and Dimensions

Cabling

Description

1 filler + 8 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 µH/m

Temperature Range

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

Max. Pull Tension:	610 N
Min. Bend Radius During Installation:	117 mm
Min. Bend Radius During Operation:	175.5 mm

Standards

CPR Euroclass:	Dca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

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

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
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
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
1512ECH.00500	Green	Reel	500 m	8719605001733

History

Update and Revision:	Revision Number: 0.184 Revision Date: 12-22-2023
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