

Part Number: 1513ECH



AUDIO ANALOG 12 PAIR 24AWG, BELDFOIL, LSZH-C

Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Cca
Suitable Applications:	12-pair 24AWG analog audio multi-core cable

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	Polyethylene	1.02 mm	0.05 mm

Color Chart

Number	Color
Pair 1 t/m 12	Red & Black

Inner Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Foil, bonded to jacket	Aluminum / Polyester	100 %	Stranded tinned copper	24	7x0.20 mm	Under shielding foil

InnerShield, Table Note:	Aluminum inside
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Inner Jacket Material

Material	Color	Nominal Diameter
FRNC / LSZH	Gray	2.86 mm

InnerJacket, Table Note:	Jacket single element, elements are numbered 1 - 12 for identification
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Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Foil	Aluminum/Polyester	100 %	Stranded tinned copper	7xAWG26	7x0.40 mm

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH / FRNC	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 µH/m

Temperature Range

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

Max Recommended Pulling Tension:	980 N
Min Bend Radius During Installation:	140 mm
Min Bend Radius During Operation:	210 mm

Standards

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

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Other Flammability:	CEI 20-22-3
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
1513ECH.011000	Black	1,000 m
1513ECH.01500	Black	500 m
1513ECH.019999	Black	475 m
1513ECH.511000	Black	1,000 m
1513ECH.51500	Black	500 m

History

Update and Revision:	Revision Number: 0.134 Revision Date: 09-02-2019
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