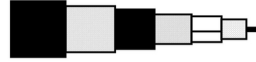




Product: [H124C01](#)

TRIAX H124 CU LSZH-C



## Product Description

TRIAX [1.0/4.4] H124 CU LSZH-C

## Technical Specifications

### Product Overview

Environmental Space:	Indoor
Suitable Applications:	Cable fulfills according standard E4156.1-A3 and E4156.2-A4 of London Underground

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	Diameter +/- Tolerance	No. of Coax
18	Solid	BC - Bare Copper	1 mm	0.03 mm	1

Conductor Count:	1
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#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	FPE - Foamed Polyethylene	4.4 mm	0.15 mm

#### Outer Shield Material

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Tape	1	Copper		2 mm			
Braid	2	Copper	38 %		5 mm	0.2 mm	4 %

#### Outer Shield Material 2

Type	Material	Coverage	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Braid	BC - Bare Copper	60 %	7.5 mm	0.3 mm	5 %

#### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance	Min. Wall Thickness
LSZH / FRNC	7 mm	0.2 mm	1 mm

OuterJacket1, Table Note:	According to European Standard HD 624
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#### Outer Jacket Material 2

Material	Color	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
FRNC / LSZH	Black (RAL 9005)	8.8 mm	0.3 mm	0.65 mm

OuterJacket2, Table Note:	According the European Standard HD 624
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### Construction and Dimensions

Min Elongation at Breakof Conductors:	15 %
Min Elongation at Breakof Jacket:	125 %
Min Tensile Strength of Jacket:	9 MPa

### Electrical Characteristics

#### Conductor DCR

Max. Conductor DCR	Max. Inner Shield DCR	Max. Shield DCR
23 Ohm/km	19 Ohm/km	14 Ohm/km

#### Capacitance

Capacitance Tolerance	Nom. Capacitance Conductor to Shield
2 pF/m	53 pF/m

#### Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance	Regularity of Impedance
75 Ohm	3 Ohm	Min. 40 dB

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
5 MHz	1.3 dB/100m
50 MHz	4.3 dB/100m
100 MHz	6.1 dB/100m
200 MHz	8.8 dB/100m
400 MHz	12.7 dB/100m
600 MHz	15.8 dB/100m
800 MHz	18.5 dB/100m
1000 MHz	20.9 dB/100m
1350 MHz	24.7 dB/100m
1750 MHz	28.6 dB/100m
2150 MHz	32.1 dB/100m
2400 MHz	34.2 dB/100m

#### Delay

Nominal Velocity of Propagation (VP) [%]	Velocity of Propagation Tolerance
84 %	2 %

#### High Freq

Frequency [MHz]	Min. RL (Return Loss) [dB]
5 - 30 MHz	23 dB
30 - 470 MHz	23 dB
470 - 862 MHz	20 dB
862 - 2150 MHz	18 dB

High Freq Table Note: In each frequency band, 3 peak values up to 4 dB lower are allowed

#### Screening

Frequency [MHz]	Min. Screening Attenuation
30 - 1000 MHz	75 dB

#### Voltage

Voltage Test Dielectric
2.0 kV DC

#### Temperature Range

Installation Temp Range:	-5°C To +50°C
Storage Temp Range:	-15°C To +70°C
Operating Temp Range:	-15°C To +70°C

#### Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	99 kg/km
Min Bend Radius (W/o Pulling Strength):	90 mm
Crush Resistance:	Max. 1% (load of 700N) N

#### Standards

CENELEC Compliance:	EN 50117-1
RG Type:	6/U Type
Other Specification:	E4156.1-A2 and E4156.2-A4 of London Underground

## Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd): 1998-01-01

## Part Number

### Variants

Item #	Color	Length
H124C01.01500	Black	500 m
H124C01.00500	Gray	500 m

## History

Update and Revision: Revision Number: 0.165 Revision Date: 02-17-2020

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