



**Product:** [CAT6+ S/FTP LSZH PIGTAILS](#)

CAT6+ Pigtail, S/FTP, LSZH

## Product Description

CAT6+ Copper Pigtails, S/FTP, LSZH

## Technical Specifications

### Product Overview

Suitable Applications:	Horizontal and building cabling. Support current and future Category 6 and 5e applications, such as: 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
25	Solid	BC - Bare Copper	6.1 mm	4

Total Number of Pairs:	4
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#### Insulation

Material
PE - Polyethylene

#### Inner Shield

Element	Type	Material
Individual Shielded Pair	Tape	Bi-Laminate (Alum+Poly)

#### Inner Jacket

Material
No Jacket

#### Outer Shield

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	30%

#### Outer Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.1 mm

Wiring Scheme:	T568A/B-Open
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Packaging:	Individually packaged in a clear plastic bag.
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### Connectors

#### Materials

Description	Material	Type
Plug	Polycarbonate	RJ45
Boot	LSZH	Snagless
Front Connection	Phosphor Bronze with 50u inch Gold over Nickel Plating	Blades

### Electrical Characteristics

Dielectric Strength:	2.5 kV DC
Current Rating:	1 A
Insulation Resistance:	5000 MOhm*km
Max Contact Resistance:	20 mOhm

#### Voltage

<b>Voltage Rating [V]</b>
72 V DC

Performance Footnote1:	There is 1dB margin on NEXT and RL guaranteed compared to ISO/IEC 11801-1:2017
Performance Footnote2:	The performance data below 4Mhz or above 500Mhz are for information only.

#### Temperature Range

Installation Temperature Range:	0°C To +50°C
Operating Temperature Range:	-20°C to +60°C

#### Mechanical Characteristics

Min Bend Radius (Overall Cable):	25 mm
Plug /Jack Compatibility:	RJ45

#### Termination Interface

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

#### Standards

ISO/IEC Compliance:	ISO/IEC 11801-1
Data Category:	Category 6
TIA/EIA Compliance:	ISO/IEC 11801-1:2017; EN 50173-1 Amd 1 Category 6; ANSI/TIA/EIA 568 C.2 Category 6

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor Rated (Not Riser or Plenum)
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#### Suitability

Suitability - Indoor:	Yes
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#### Related Part Numbers

Related Parts:	CAT 6+ Shielded Modular Jacks, CAT 6+ shielded Patch Panels
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#### Variants

Item #	Color	Length
C6B4306002M	Blue	2 m

#### History

Update and Revision:	Revision Number: 0.144 Revision Date: 11-14-2022
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