# StarTech.com 5m CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 250Mhz 100W PoE RJ45 10GbE UTP Network Patch Cord Snagless with Strain Relief - Blue, CAT 6, ETL Verified, 24AWG

Model: N6LPATCH5MBL

Manufacturer: STARTECH

EAN: 065030892223

Product Code: 1670722

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.
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# R870

CAT6 Ethernet Cable | LSZH | Snagless | 100W PoE | Lifetime Warranty

## StarTech.com Advantage

StarTech.com products are designed for IT Professionals to meet their technical standards. Product quality, compatibility and reliability are ensured by our in-house and third-party labs and certifications by leading technology companies.

StarTech.com's line of CAT6 cables use 100% copper and gold-plated pins. All of our Category 6 cable products undergo rigorous physical and electrical tests, including the repetitive bend cycle test. Each cable is individually tested using a Fluke® DSX2-8000 CableAnalyzer™ to meet ANSI/TIA-568.2-D Category 6 specifications, ensuring consistent signal integrity with minimal Near-End Crosstalk (NEXT) and Retun Loss (RL). Beyond our own testing, we work with leading external test labs such as ETL, to obtain product performance and safety certifications.

Backed by a risk-free StarTech.com lifetime warranty and 24 hour, five day-a-week, support from qualified Technical Advisors, our brand is trusted throughout the IT ecosystem and used by over 80% of Fortune 500 companies.

## Product Overview

Low Smoke Zero Halogen (LSZH) Category 6 Snagless Network Patch Cable supports error-free Multi Gigabit connections: 1Gbps, 2.5Gbps, 5Gbps and 10Gbps (up to 160ft/55m). This PVC free high-performance cable offers reliable connectivity to all networking devices, such as Network Interface Cards (NIC), servers, routers, network attached storage (NAS), VoIP phones, PoE devices, etc.

This Eco-friendly LSZH CAT6 cable produces lower levels of toxic corrosive fumes and white smoke in the event of a fire, which offers higher visibility, allowing for a safer and faster evacuation.

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StarTech.com offers the widest selection of lengths and colors, to keep your business network and workstations connected and organized.

High Performance CAT6 Ethernet Cable

• Reliably Connect Your Ethernet Devices

Error-free Multi Gigabit support - 1Gbps, 2.5Gbps, 5Gbps and 10Gbps (up to 55m), 10GBase-T
• 250MHz support for increased bandwidth

## • 100% Copper Cable, Ideal for Powering Your Devices Over Ethernet

Made with 100% bare copper wire, StarTech.com cables are fully compliant with, unlike other cables that use copper clad aluminum (CCA) wire.

Tested up to 100W continuous power throughput.
• Complies with IEEE 802.3bt Type 4 standard.
• Excellent heat dissipation over prolonged use.

Supports high power PoE for Laptops, IP TVs, Security Cameras, VoIP phones, NAS devices, etc.

• Quality Construction

50-micron gold platted connectors
• Snagless boot
• 40 mm (1.57") bend radius for strong molded strain relief and improved flexibility

The Snagless design protects the RJ45 clip and ensures the cables are easily pulled through constrained spaces such as conduits or raceways and prevents the cable from getting caught/damaged during installation.

Engineered for Professional Applications

## • Detailed Spec Drawings Available

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StarTech.com makes it easy for you to integrate the CAT6 cable into your network by providing detailed technical specifications and engineering drawings.

• Hassle-free Installation with Reliable Performance and Flexibility

6.0 mm (0.23") OD, Flexible PVC-Free jacket with 100 mm (3.93") bend radius
• Flexible HD-PE insulation for reduced Intra-pair Crosstalk
• Spline separator for reduced Inter-pair Crosstalk and improved heat dissipation for 100W PoE
• 24AWG (0.25mm2), 100% copper, stranded wire twisted pairs
• U/UTP cable construction

• Electrical Characteristics

ETL Verified for maximum performance
• Cable Impedance: 100 ohms ± 15% at 250 MHz
• Max. DC Resistance: 14 ohms per 1000 ft (305 m)
• Pair to GND Capacitance: 330 pF per 328 ft (100 m)
• Mutual Capacitance: 5.6 nF per 1000 ft (305 m)
• Propagation Delay Skew: 45 ns per 328 ft (100 m)

Lab Tested and Third Party Certified for Product Performance and Safety

• ETL Verified
• 3P Verified to ANSI/TIA-568-2.D Category 6
• Tested using Fluke® DSX2-8000 CableAnalyzer
ETL Verified

Our Cat6 Ethernet Cables are ETL Verified to meet ANSI/TIA-568.2-D standards, ensuring peak performance for high-speed 10G applications. Independent testing confirms compliance with strict insertion loss, return loss, and crosstalk limits, maintaining stable signal transmission over longer runs. The STP shielding is verified for EMI resistance, for guaranteed reliability in demanding environments.

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