# 3ft (90cm) CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 250Mhz 100W PoE RJ45 UTP Network Patch Cord Snagless with Strain Relief - Gray CAT 6, ETL Verified, 24AWG

Produkt-ID: N6LPATCH3GR



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.

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<ul style="margin-left:40px">

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

• 650MHz support for increased bandwidth

• 100% Copper Cable, Ideal for Powering Your Devices Over EthernetMade with 100% bare copper wire, StarTech.com cables are fully compliant with, unlike other cables that use copper clad aluminum (CCA) wire.<ul style="margin-left: 40px;">

• 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<ul style="margin-left:40px">

• 50-micron gold platted connectors

• Snagless boot

• 40 mm (1.57") bend radius for strong molded strain relief and improved flexibilityThe 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 AvailableStarTech.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<ul style="margin-left:40px">

• 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<ul style="margin-left:40px">

• 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

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.

## Zertifikate Berichte und Kompatibilität



## Anwendungen

## Merkmale

• HIGH PERFORMANCE LSZH CAT6 ETHERNET CABLE: 100% copper, Ethernet cable for error-free Multi Gigabit/Multi-speed 1/2.5/5Gbps connections; 10Gbps up to 55m; Low NEXT and RL; Complies with ANSI/TIA-568-2.D Category 6 requirements; ETL Verified to meet ANSI/TIA-568.2-D standards

• LSZH CABLE WITH 100W PoE: Low Smoke Zero Halogen Ethernet patch cord with 24 AWG cable, stranded copper conductors supports various PoE devices up to 100W PoE++; Complies with IEEE 802.3bt type 4; Supports Cat5e & earlier standards

• ETL VERIFIED PURE COPPER CABLE: This Individually Tested & ETL Verified 3ft snagless LAN cable

with 100% copper Ethernet wire delivers error-free data & safe PoE power, unlike the lower quality copper-clad aluminium versions from other brands

• ECO-FRIENDLY AND QUALITY CONSTRUCTION: Eco-friendly (PVC free) LSZH cable produces lower levels of smoke & toxic (acidic) fumes in case of fire; EVA co-polymer jacket resists bending or fraying damage; 50-micron gold-plated pins improve signal integrity

• SPECS: Length: 3ft (90cm) Cat 6 Network Cable | Color: Gray | 250 MHz Rated | Structure: 4 Pair U/UTP | RJ45 Connectors | Jacket: EVA, Al(OH)3 | Fire Rating: LSZH | 24 AWG Copper | Wiring: ANSI/TIA-568-B | ETL Verified | Warranty: Lifetime

## Hardware

| | |
|---|---|
| Garantiebestimmungen | Lifetime |
| Anzahl von Leitern | 4 pair U/UTP |
| Typ der Kabelummantelung | Low Smoke Zero Halogen |
| Verkabelungsstandard | TIA/EIA-568-B.1-2001 T568B |

## Leistung

| | |
|---|---|
| ETL-verifiziert | Ja |
| Kabelnennwerte | CAT6 - 250 MHz |
| Max. Kabellänge | 3.0 ft [0.9 m] |

## Steckverbinder

| | |
|---|---|
| Steckverbinder A | 1 - RJ-45 |
| Steckverbinder B | 1 - RJ-45 |

## Umgebungsbedingungen

| | |
|---|---|
| Betriebstemperatur | 0°C to 80°C (32°F to 176°F) |
| Lagertemperatur | 0°C to 80°C (32°F to 176°F) |
| Feuchtigkeit | 0%RH ~ 95%RH |

## Physische Eigenschaften

| | |
|---|---|
| Farbe | Grau |
| Drahtstärke | 24 AWG |

| | |
|---|---|
| Kabellänge | 3.0 ft [0.9 m] |
| Außendurchmesser des Kabels | 0.2 in [6 mm] |
| Produktlänge | 3.0 ft [0.9 m] |
| Produktbreite | 0.5 in [1.2 cm] |
| Produkthöhe | 0.3 in [0.8 cm] |
| Produktgewicht | 1.5 oz [42.0 g] |

**Verpackungsinformationen**

| | |
|---|---|
| Paketmenge | 1 |
| Paketlänge | 6.9 in [17.4 cm] |
| Paketbreite | 7.8 in [19.9 cm] |
| Pakethöhe | 0.7 in [1.8 cm] |
| Versandgewicht (Verpackung) | 1.9 oz [54.0 g] |

**Verpackungsinhalt**

| | |
|---|---|
| Im Paket enthalten | 1 - Cat6-Kabel |

**Garantieinformationen**

| | |
|---|---|
| Warranty | Lifetime |

\* Größe, Aussehen und Spezifikationen sind Änderungen ohne vorherige Ankündigung vorbehalten.