

2m Netzwirkabel CAT6 - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 650MHz 100W PoE RJ45 10GbE UTP Lan Kabel - Blau, CAT 6, ETL Zertifizierung, 24AWG

Produkt-ID: N6LPATCH2MBL



#### 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 (Fluke® patch cord test) to measure worst case NEXT and 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
- 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.
- 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 plated 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
- 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 (0.25mm<sup>2</sup>), 100% copper, stranded wire twisted pairs
- U/UTP cable construction
- Electrical Characteristics
- ETL Verified for maximum performance

- Cable Impedance: 100 ohms  $\pm$  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
- Fluke® Tested CAT6 Patch Cord

## 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
  - **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 ETL Verified and individually tested 2m 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
  - **TECHNISCHE DATEN:** Länge: 2 m Cat 6 Netzwerkkabel | Farbe: Blau | Ausgelegt für 650 MHz | Struktur: 4 Paar U/UTP | RJ45 Steckverbinder | Mantel: EVA, Al(OH)<sub>3</sub> | Feuerschutzklasse: LSZH | 24 AWG Kupfer | Verkabelung: ANSI/TIA-568-B | ETL geprüft | Garantie: lebenslang
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## Hardware

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

## Leistung

|                 |                |
|-----------------|----------------|
| Kabelnennwerte  | CAT6 - 650 MHz |
| Max. Kabellänge | 6.6 ft [2 m]   |

## Steckverbinder

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

## Umwelt

|                    |                             |
|--------------------|-----------------------------|
| 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                       | Blau             |
| Drahtstärke                 | 24 AWG           |
| Kabellänge                  | 6.6 ft [2 m]     |
| Außendurchmesser des Kabels | 0.2 in [6 mm]    |
| Produktlänge                | 0.5 in [11.6 mm] |
| Produktbreite               | 6.6 ft [2.0 m]   |
| Produkthöhe                 | 0.3 in [7.8 mm]  |



|                |                 |
|----------------|-----------------|
| Produktgewicht | 2.9 oz [82.0 g] |
|----------------|-----------------|

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Verpackungsinformationen

|                             |                  |
|-----------------------------|------------------|
| Package Length              | 8.7 in [22.0 cm] |
| Package Width               | 7.9 in [20.0 cm] |
| Package Height              | 0.6 in [15.0 mm] |
| Versandgewicht (Verpackung) | 3.2 oz [92.0 g]  |

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Verpackungsinhalt

|                    |            |
|--------------------|------------|
| Im Paket enthalten | Cat6-Kabel |
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\* Größe, Aussehen und Spezifikationen sind Änderungen ohne vorherige Ankündigung vorbehalten.

