50cm CAT6 Ethernet Cable - LSZH (Low Smoke Zero Halogen) - 10 Gigabit 650MHz 100W PoE RJ45 10GbE UTP Network Patch Cord Snagless with Strain Relief - Black, CAT 6, ETL Verified, 24AWG

Product ID: N6LPATCH50CMBK



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<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

• Fluke Tested CAT6 Patch Cord

Certifications, Reports and Compatibility

Applications

Features

• 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 50cm 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: 50cm (1.6ft) Cat 6 Network Cable Color: Black 650MHz 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

Warranty	Lifetime
Number of Conductors	4 pair U/UTP
Cable Jacket Material	Low Smoke Zero Halogen
Cable Type	Snagless

	Wiring Standard	TIA/EIA-568-B.1-2001 T568B
Performance		
	Cable Rating	CAT6 - 650 MHz
	Maximum Cable Length	19.7 in [50 cm]
Connector(s)		
	Connector A	RJ-45
	Connector B	RJ-45
Environmental		
	Operating Temperature	0C to 80C (32F to 176F)
	Storage Temperature	0C to 80C (32F to 176F)
	Humidity	0%RH ~ 95%RH
Physical Characteristics		
	Color	Black
	Wire Gauge	24 AWG
	Cable Length	19.7 in [50 cm]
	Cable OD	0.2 in [6 mm]
	Product Length	19.7 in [50.0 cm]
	Product Width	0.5 in [11.6 mm]
	Product Height	0.3 in [7.8 mm]
	Weight of Product	0.9 oz [26.0 g]
Packaging Information		
	Package Length	8.7 in [22.0 cm]
	Package Width	7.9 in [20.0 cm]
	Package Height	0.6 in [15.0 mm]
	Shipping (Package) Weight	1.3 oz [36.0 g]

What's in the Box

Included in Package	CAT6 Cable

Product appearance and specifications are subject to change without notice.