6ft CAT6a Ethernet Cable - Black - Low Smoke Zero Halogen (LSZH) - 10GbE 500MHz 100W PoE++ Snagless RJ-45 w/Strain Reliefs S/FTP Network Patch Cord

Produkt-ID: NLBK-6F-CAT6A-PATCH

Set up a reliable 10 Gbps connection to a switch or networking device, using this Shielded Snagless S/FTP Category 6a Ethernet Cable.

Our Snagless Cat6a Cables are designed for long-lasting performance. The 4-Pair Shielded and Foiled Twisted Pair (S/FTP) construction utilizes 27AWG pure bare copper wire for improved conductivity and low resistance, ensuring reliable transmission and minimal signal loss.

Pure bare copper wiring offers consistent performance characteristics across different environments. Each pair is shielded in aluminum-mylar foil and tinned copper braid for enhanced EMI protection.

The Cat6a Ethernet Cable features snagless 50-micro gold-plated connectors that enable a precise fit to minimize wear and signal loss. The flexible Low Smoke Zero Halogen (LSZH) flame-retardant jacket emits low smoke and toxic fumes when exposed to extreme heat or in the event of a fire. This enables safer installations in poorly-ventilated areas including some industrial settings, self-contained environments such as trains and aircraft, as well as residential settings where compliance with building codes must be considered.

The Shielded Cat6a Patch Cord is ideal for 10GBASE-T networks and supports up to 100W output to Power over Ethernet (PoE++) devices. Establish connectivity to 10G switches, Network Attached Storage (NAS), and SFP modules. It facilitates reliable throughput and power to low-latency and critical PoE devices, including PoE switches, access points, and IP cameras.

Backward compatibility with Cat 6 and Cat 5/5e standards ensure seamless integration into existing network environments. Each cable is individually tested using a Fluke® DSX2-8000 CableAnalyzer™ and ETL Verified for guaranteed Cat6a performance.

Our Cat6a 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

• CAT6A ETHERNET CABLE: High-performance Ethernet Cable for error-free 1/2.5/5/10Gbps multi-gigabit connections; Low Near-End Crosstalk (NEXT) and Return Loss (RL); Individually Tested; ETL Verified to meet ANSI/TIA-568.2-D standards

• SHIELDED CAT6A CABLE: Improved signal integrity and protection against noise & electromagnetic (EMI/RFI) interference; Individual twisted pairs wrapped in foil; Outer covering w/ braided shield; Shielded RJ45 connectors with gold-plated pins

• 100W POWER OVER ETHERNET: 100% stranded copper wire delivers error-free data and stable PoE power, unlike lower quality copper-clad aluminum versions of other brands; Supports PoE devices up to 100W PoE++; Complies with IEEE 802.3bt (Type 4 and lower)

• DURABLE LSZH JACKET: PVC Free, Low Smoke Zero Halogen (LSZH) cable jacket produces less dense and corrosive smoke than PVC; Braided construction resists damage from bending

• SPECS: Category 6A Network Patch Cord; 6ft; Black; 10Gbps; 500 MHz; 4 Pair S/FTP; Snagless RJ45 with Strain Reliefs; EVA, Al(OH)3; LSZH; 27 AWG; 100% Copper; ETL Verified; ANSI/TIA-568.2-D; Supports Cat6 and earlier standards; Backed for Life

Hardware		
	Garantiebestimmungen	Lifetime
	Anzahl von Leitern	4 Pair S/FTP
	Typ der Kabelummantelung	Low Smoke Zero Halogen

Leistung		
	ETL-verifiziert	Ja

	Kabelnennwerte	CAT6a - 10Gbit/s
Steckverbinder		
	Steckverbinder A	1 - RJ-45
	Steckverbinder B	1 - RJ-45
Umgebungsbedingungen		
	Betriebstemperatur	0°C to 50°C (32°F to 122°F)
	Lagertemperatur	-20°C to 60°C (-4°F to 140°F)
	Feuchtigkeit	0% ~ 85% RH
Physische Eigenschaften		
	Farbe	Schwarz
	Drahtstärke	27 AWG (0.361 mm)
	Leitungstyp	Feindrähtiges Kupfer
	Kabellänge	6.0 ft [1.8 m]
	Außendurchmesser des Kabels	0.2 in [5.7 mm]
	Produktlänge	6.0 ft [1.8 m]
	Produktbreite	0.5 in [1.2 cm]
	Produkthöhe	0.6 in [1.4 cm]
	Produktgewicht	2.8 oz [78.0 g]
Verpackungsinformationen		
	Paketmenge	1
	Paketlänge	6.9 in [17.6 cm]
	Paketbreite	7.8 in [19.7 cm]
	Pakethöhe	0.7 in [1.9 cm]
	Versandgewicht	3.0 oz [86.0 g]

(Verpackung)

Verpackungsinhalt

Im Paket enthalten	1 - CAT6A LSZH Ethernet Cable

Garantieinformatio nen

Warranty	Lifetime

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