7m CAT6a Ethernet Cable - Black - Low Smoke Zero Halogen (LSZH) - 10GbE 500MHz 100W PoE++ Snagless RJ-45 w/Strain Reliefs S/FTP Network Patch Cord

Product ID: NLBK-7M-CAT6A-PATCH

Cat6a Ethernet Low-Smoke Zero-Halogen (LSZH) Shielded cables support Multi-Gigabit/Multi-speed 1/2.5/5Gbps/10Gbp connections. It offers robust protection against electromagnetic interference (EMI/RFI) and noise, ensuring a fast, safe, and reliable network.

LSZH Cat6a Network Cables are more eco-friendly than PVC cables. In the event of a fire, LSZH cables produce low levels of corrosive fumes and smoke. Low levels of acrid combustion pollutants promote increased visibility, resulting in safe and quick building evacuations by staff and first responders.

This high performance Ethernet cable complies with the IEEE 802.3bt-2018 standard. It supports 100W PoE++, providing ample power to Type 4 PoE devices.

The Cat6a cable features snag-less connectors. Snagless molded boots protect the tab/latch on each RJ45 connector. The boots prevent the cable from snagging during cable routing and/or installation into network devices.

The molded boots feature integrated strain reliefs that prevent sharp connector/cable angles at the termination points.

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.

This product is backed for life, including free lifetime 24/5 multi-lingual technical assistance.

Certifications, Reports and Compatibility

Applications

Features

• 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; 7m; 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		
	Warranty	Lifetime
	Number of Conductors	4 Pair S/FTP
	Cable Jacket Material	Low Smoke Zero Halogen

Performance		
	ETL Verified	Yes
	Cable Rating	CAT6a - 10Gbit/s

Connector(s)		
	Connector A	1 - RJ-45
	Connector B	1 - RJ-45

Environmental		
	Operating Temperature	0C to 50C (32F to 122F)

Storage Temperature	-20C to 60C (-4F to 140F)	
Humidity	0% ~ 85% RH	

Physical Characteristics

Color	Black	
Wire Gauge	27 AWG (0.361 mm)	
Conductor Type	Stranded Copper	
Cable Length	23.0 ft [7 m]	
Cable OD	0.2 in [5.7 mm]	
Product Length	23.0 ft [7 m]	
Product Width	0.5 in [1.2 cm]	
Product Height	0.6 in [1.4 cm]	
Weight of Product	9.1 oz [257 g]	

Packaging Information

Package Quantity	1	
Package Length	7.1 in [18.0 cm]	
Package Width	7.9 in [20.0 cm]	
Package Height	1.4 in [3.5 cm]	
Shipping (Package) Weight	8.8 oz [249.6 g]	

What's in the Box

Included in Package	1 - CAT6A LSZH Ethernet Cable	

Warranty Information

Warranty	Lifetime	

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*Product appearance and specifications are subject to change without notice.