50cm 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-50C-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.

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/multi-speed connections; Low Near-End Crosstalk (NEXT) and Return Loss (RL); Tested to meet ANSI/TIA-568.2-D standards; Fluke Tested and ETL Verified

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• 100W POWER OVER ETHERNET (PoE): Supports PoE devices up to 100W PoE++ - Complies with IEEE 802.3bt for Type 4 PoE Devices

• 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

• PURE COPPER WIRING: 27 AWG 100% stranded copper wire delivers error-free data and stable PoE power, unlike the lower quality copper-clad aluminum versions of other brands, Gold-plated connector pins improve signal integrity

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• LOW SMOKE ZERO HALOGEN (LSZH): PVC Free cable jacket produces less dense and corrosive smoke than PVC - Braided construction resists damage from bending

• 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: Cat 6A Network Cable - 50cm - Black - 10Gbps - 500 MHz - 4 Pair S/FTP - Snagless RJ-45 with Strain Reliefs - EVA, Al(OH)3 - LSZH - 27 AWG - Copper - ETL Verified - ANSI/TIA-568.2-D - Supports Cat6 and earlier standards

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Hardware

Warranty	Lifetime
Number of Conductors	4 Pair S/FTP
Cable Jacket Material	Low Smoke Zero Halogen
Cable Type	Shielded Snag-less

Performance		
	Cable Rating	CAT6a - 10Gbit/s
Connector(s)		
	Connector A	1 - RJ-45
	Connector B	1 - RJ-45
Physical Characteristics		
	Color	Black
	Wire Gauge	27 AWG (0.361 mm)
	Conductor Type	Stranded Copper
	Cable Length	1.6 ft [0.5 m]
	Product Length	0.5 in [1.2 cm]
	Product Width	19.7 in [50.0 cm]
	Product Height	0.6 in [1.4 cm]
	Weight of Product	0.9 oz [25.5 g]
Packaging Information		
	Package Quantity	1
	Package Length	7.9 in [20.0 cm]
	Package Width	8.7 in [22.0 cm]
	Package Height	0.3 in [8.0 mm]
	Shipping (Package) Weight	1.2 oz [34.2 g]
What's in the Box		
	Included in Package	1 - CAT6A LSZH Ethernet Cable

Product appearance and specifications are subject to change without notice.