chanhvinh.com

3m Blue CAT8 Ethernet Cable, Snagless RJ45, 25G/40G, 2000MHz, 100W PoE++, S/FTP, 26AWG Pure Bare Copper Wire, LSZH, Shielded Network Patch Cord w/Strain Reliefs, Fluke Channel Tested

Product ID: NLBL-3M-CAT8-PATCH



Connect to a 25/40Gbps switch or networking device using this Snagless S/FTP Category 8 Ethernet Cable. The 2000MHz maximum frequency enables up to four times higher throughput than Cat6a.

Our Snagless Cat8 Cables are designed for long-lasting performance. The 4-Pair Shielded and Foiled Twisted Pair (S/FTP) construction utilizes 26AWG 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 Cat8 Ethernet Cable features snagless 50-micro gold-plated connectors that enable a precise fit to minimize wear and are rated beyond 750 connector mating cycles. 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 cable is rated to withstand -/+90-degree bends and routes well in confined spaces.

The Shielded Cat8 Patch Cord is ideal for high-density 25/40GBASE-T networks and supports up to 100W output to Power over Ethernet (PoE++) devices. Establish connectivity to 25G/40G switches, Network Attached Storage (NAS), Storage Area Networks (SANs), 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 6/6a and Cat 5/5e standards ensure seamless integration into existing network environments. Our Snagless Cat8 cables are Fluke channel tested for guaranteed Cat8 performance.

Certifications, Reports and Compatibility

chanhvinh.com



Applications

• Establish reliable 40Gbps connections in an enterprise network

• Deliver reliable throughput to 40GBASE-T hardware including switches, NICs, and copper SFP modules

• Connect and power high-speed, low-latency network peripherals such as security cameras and LAN access points

Features

• CAT8 ETHERNET CABLE: Snagless S/FTP Cat8 cable is optimized for enterprise 25/40Gbps networks; 2000MHz frequency range enhances throughput capacity; Up to 4 times faster than Cat6a; Supports Power over Ethernet (PoE++) devices up to 100W

• QUALITY CONSTRUCTION: Shielded 50-micron gold-plated connectors enable a precise fit to minimize wear and signal loss; Rated beyond 750 insertions; 26AWG pure bare copper wire with braided shield enhance EMI protection for consistent throughput and power

• SAFETY AND RELIABILITY: Fluke channel tested for guaranteed Cat8 performance; PoE++ specifications complies with IEEE 802.3bt Type 4; Low Smoke Zero Halogen (LSZH) jacket is safe for enclosed/poorly ventilated spaces and emits low toxic fumes if combusted

• APPLICATIONS: Ideal for high density 25/40GBASE-T enterprise network deployments and switches; Connect reliably to critical PoE devices such as IP cameras and Access Points; Flexible LSZH jacket withstands 90deg bends and routes easily in tight spaces

• SPECS: 3-meter; Blue; Snagless; 10/25/40Gbps; 2000 MHz; 100W PoE++; S/FTP; 26AWG Pure Bare Copper Wire; Al-Mylar w/Braided Shield; Gold-Plated Connectors; LSZH Jacket; 5.6mm (0.22in) Cable O.D.; Fluke Channel Tested; Supports Cat 6/6a and Cat 5/5e

Hardware

Warranty	Lifetime
Active or Passive Adapter	Passive
	Passive
Number of Conductors	4-Pair S/FTP - 8P8C
Connector Plating	Gold
Cable Jacket Material	Low Smoke Zero Halogen
Cable Shield Material	Aluminum-Mylar Tape with Braid

chanhvinh.com

	Fire Rating	LSZH Rated (Low Smoke Zero Halogen)
	Cable Type	Shielded Snag-less
	Wiring Standard	TIA/EIA-T568B
	Industry Standards	IEEE 802.3ba 40GBASE-T
		IEEE 802.3ba 40GBASE-T
Performance		
	Maximum Data Transfer Rate	40Gbps
	Cable Rating	CAT 8.1 - 2000 MHz
	MTBF	Connectors rated beyond 750 mating cycles
Connector(s)		
	Connector A	1 - RJ-45
	Connector B	1 - RJ-45
Power		
	Power Delivery	100W
Environmental		
	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-20C to 60C (-4F to 140F)
	Humidity	0% ~ 85% RH
Physical Characteristics		
	Color	Blue
	Connector Style	Straight
	Wire Gauge	26 AWG
	Conductor Type	Solid Copper
	Material	Metal and Plastic
	Cable Length	9.8 ft [3 m]

chanhvinh.com

	Cable OD	0.2 in [5.6 mm]
	Product Length	9.8 ft [3.0 m]
	Product Width	0.5 in [1.2 cm]
	Product Height	0.3 in [8.2 mm]
	Weight of Product	0.0 oz [0.0 g]
Packaging Information		
	Package Length	7.5 in [19.0 cm]
	Package Width	8.7 in [22.0 cm]
	Package Height	0.8 in [2.0 cm]
	Shipping (Package) Weight	4.6 oz [131.0 g]
What's in the Box		
	Included in Package	1 - 3m Snagless Cat8 Cable - Blue

Product appearance and specifications are subject to change without notice.