2.5m Purple Slim CAT6 Ethernet Cable, Snagless, 100W PoE, UTP, LSZH, 28AWG Pure Bare Copper Wire, Slim RJ45 Network Patch Cord w/Strain Reliefs, Fluke Tested

Product ID: N6PAT250CMPLS



This slim CAT6 cable meets all Category 6 patch cable specifications to deliver a reliable Gigabit and Power over Ethernet (PoE) network connection in high-density network installations.

The Slim Cat6 Patch Cord is 36% thinner than standard Cat6 Ethernet cables, enabling greater airflow and heat dissipation in confined spaces. The Slim Cat6 Ethernet cable is also more flexible, for easier cable routing in crowded network racks and patch panels.

This cable features snagless connectors that protect the RJ45 clips during installation, reducing snags or breakage when routing through narrow gaps or in between devices.

The Slim Cat6 Cable features 50-micron gold RJ45 contacts that ensure a precise fit to minimize wear and signal loss. The 4-pair Unshielded Twisted Pair (UTP) construction utilizes 28AWG Pure Bare Copper Wire for improved conductivity and low resistance. 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 Slim CAT6 patch cable is tested to comply with ANSI/TIA 568 C.2 requirements for guaranteed Cat6 performance. The cable is Fluke Tested to ensure minimal Near-End Crosstalk (NEXT) and Retun Loss (RL). Reliably deliver up to 90W of PoE++ to power a remote networking devices, including PoE switches and boardroom cameras. This Slim Cat6 Patch Cable complies with IEEE 802.3bt Type 4 PoE++ specifications.

Certifications, Reports and Compatibility

Applications

Features

• SLIM CAT6 CABLE: Streamline cabling in crowded setups using Slim Cat6 Cables; 36% slimmer diameter enables greater flexibility than standard Cat6 cabling; Supports Power over Ethernet (PoE++) up to 100W; Low Near-End Crosstalk (NEXT) and Return Loss (RL)

• QUALITY CONSTRUCTION: Snagless 50-micron gold-plated contacts enable a precise fit to minimize signal loss; 28AWG Pure Bare Copper wire delivers consistent power and throughput; Low-Smoke Zero Halogen (LSZH) jacket is flexible for routing in tight spaces

• SAFETY AND RELIABILITY: Compliant with ANSI/TIA-568-C.2 standards for guaranteed Cat6 performance; LSZH jacket is safe for enclosed/poorly ventilated spaces and emits low toxic fumes if combusted; PoE++ specifications complies with IEEE 802.3bt Type 4

• APPLICATIONS: Ideal for high-density network closets and cable management panels; Slim Cat6 cables enhance accessibility when troubleshooting and promote improved airflow between devices; Connect reliably to PoE devices such as IP or boardroom cameras

• SPECS: 2.5-meter; Purple; Snagless RJ45; 1 Gbps; 250MHz; 100W PoE++; UTP; Gold-Plated Contacts; LSZH Jacket; 28AWG Pure Bare Copper Wire; 3.6mm (0.14in) Cable O.D.; Fluke Tested; Supports Cat 6 and Cat 5/5e

Hardware		
	Warranty	Lifetime
	Number of Conductors	4 pair UTP
	Connector Plating	Gold
	Fire Rating	LSZH Rated (Low Smoke Zero Halogen)
	Cable Type	Snagless
	Wiring Standard	TIA/EIA-568-B.1-2001 T568B
Performance		
	Maximum Data Transfer Rate	1 Gbps
	Cable Rating	CAT6 - 250 MHz
Connector(s)		
	Connector A	1 - RJ-45
	Connector B	1 - RJ-45

Environmental		
	Operating Temperature	10C ~ 60C (50F to 140F)
	Storage Temperature	-20C ~ 60C (-4F to 140F)
	Humidity	10% ~ 80%
Physical Characteristics		
	Color	Purple
	Connector Style	Straight
	Wire Gauge	28 AWG
	Conductor Type	Stranded Copper
	Cable Length	8.2 ft [2.5 m]
	Cable OD	0.1 in [3.6 mm]
	Product Length	0.0 in [0.0 mm]
	Product Width	0.0 in [0.0 mm]
	Product Height	0.0 in [0.0 mm]
	Weight of Product	0.0 oz [0.0 g]
Packaging Information		
	Package Length	8.7 in [22.0 cm]
	Package Width	7.9 in [20.0 cm]
	Package Height	0.4 in [1.0 cm]
	Shipping (Package) Weight	1.9 oz [54.0 g]
What's in the Box		
	Included in Package	1 - Slim Cat6 Ethernet Cable - LSZH

Product appearance and specifications are subject to change without notice.