50cm Purple Slim CAT6 Ethernet Cable, Snagless, 100W PoE, UTP, LSZH, 28AWG Pure Bare Copper Wire, Slim RJ45 Network Patch Cord w/Strain Reliefs, Individually Tested

**Product ID:** N6PAT50CMPLS



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.

Each cable is individually tested using a Fluke DSX2-8000 CableAnalyzer to meet ANSI/TIA-568.2-D Category 6 specifications, ensuring consistent signal integrity with minimal Near-End Crosstalk (NEXT) and Retun Loss (RL). Reliably deliver up to 100W 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

• Streamline Cabling in Tight Spaces: Slim Cat6 Cables are 36% thinner than standard CAT6 network cables, offering greater flexibility and easier routing in dense IT setups

• Built for Performance: Supports 10Gbps speeds and 100W PoE++ (IEEE 802.3bt Type 4) with 28AWG pure bare copper wire and 50-micron gold-plated contacts for reliable signal integrity; Flexible Low-Smoke Zero Halogen (LSZH) jacket withstands tight bends

• Tested for Reliable Uptime: Compliant with ANSI/TIA-568-C.2 standards for guaranteed Cat6 performance up to 250MHz; Individually Tested for minimal Near-End Crosstalk (NEXT) and Return Loss (RL)

• Enhance Access and Airflow: Slim Cat6 cables improve access for troubleshooting and airflow between devices; Connect reliably to PoE devices such as IP or boardroom cameras; LSZH jacket is safe for confined spaces and emits low-toxicity fumes if combusted

• The IT Pro's Choice: Designed for reliability in edge and on-prem deployments, our network cables are lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

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|---|---|---|
| **Hardware** | | |
| | Warranty | Lifetime |
| | Number of Conductors | 4 pair UTP |
| | Connector Plating | Gold |
| | Cable Jacket Material | Low Smoke Zero Halogen |
| | Fire Rating | LSZH Rated (Low Smoke Zero Halogen) |
| | Wiring Standard | TIA/EIA-568-B.1-2001 T568B |
| **Performance** | | |
| | Maximum Data Transfer Rate | 10 Gbps |
| | Cable Rating | CAT6 - 250 MHz |
| **Connector(s)** | | |
| | Connector A | 1 - RJ-45 |
| | Connector B | 1 - RJ-45 |

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| **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 | 1.6 ft [0.5 m] |
| | Cable OD | 0.1 in [3.6 mm] |
| | Product Length | 19.7 in [50.0 cm] |
| | Product Width | 0.5 in [1.2 cm] |
| | Product Height | 0.5 in [1.4 cm] |
| | Weight of Product | 0.6 oz [18.0 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 | 0.8 oz [21.2 g] |
| **What's in the Box** | | |
| | Included in Package | 1 - Slim Cat6 Ethernet Cable - LSZH |
| **Warranty Information** | | |
| | Warranty | Lifetime |

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