50cm Black Cat6 Ethernet Cable, Snagless, 100W PoE, UTP, 24AWG Pure Bare Copper Wire, RJ45 Network Patch Cord w/Strain Reliefs, Individually Tested

Product ID: CAT6UTP50CMBK



This Snagless Cat 6 Patch Cable meets or exceeds all Category 6 cable specifications to ensure reliable Gigabit network connections, and features a durable PVC jacket that enables you to color code your network cable runs as needed.

To ensure long-lasting performance, this high quality Cat 6 patch cable features a snagless design that protects the RJ45 connector clips from damage and makes the cable less prone to snagging during installation. The cable also features molded PVC strain relief that prevents the RJ45 connector termination points from bending at sharp angles - reducing the risk of cable damage, which could decrease network performance.

Our Cat6 cables are manufactured using high-quality copper conductors. While many cable manufacturers offer a "cheaper" cable based on a copper-coated aluminum core, we make no compromises on quality to ensure you receive top value and performance for your network cable investment.

This Cat6 network cable is constructed with 24 gauge copper wire, to support a broad range of Ethernet applications such as Power over Ethernet (PoE). Because we use a high quality copper wire, our cables easily sustain the power required for Power over Ethernet applications, whereas the inferior quality offered by copper-coated aluminum cables may be subject to insufficient power delivery, heat buildup, equipment damage and potentially, fire.

The high quality connectors are plated with 50-micron gold to deliver optimum conductivity while eliminating signal loss due to oxidation or corrosion.

Certifications, Reports and Compatibility

Applications

• Deploy structured cabling across edge and micro data centers, retail environments, warehouses, and office networks with reliable Cat6 connectivity for switches, patch panels, and endpoint devices

• Standardize structured cabling deployments with a broad selection of cable lengths, colors, and pack configurations designed for scalable installations and multi-site rollouts

• Connect out-of-band management hardware, console ports, wireless access points, and network infrastructure devices with full Cat6 performance for everyday IT operations

Features

• Deploy Cat6 Runs by Length and Color: Select from multiple Cat6 cable lengths and colors for consistent, structured cabling across racks and patch panels; Snagless RJ45 connectors with robust strain reliefs for easier insertion and removal in dense setups

• Deliver Full Cat6 Performance: Ensure stable 10Gbps speeds and 100W PoE++ (IEEE 802.3bt Type 4) over 24AWG pure bare copper wire and 50-micron Gold-plated RJ45 contacts; CM-rated PVC jacket is durable and ideal for general installations

• Tested for Reliable Uptime: Compliant with ANSI/TIA-568-C.2 standards for guaranteed Category 6 performance up to 250MHz; Fluke DSX-8000 Channel Tested to ensure minimal Near-End Crosstalk (NEXT) and Return Loss (RL)

• Power High-Demand PoE Endpoints: Power LAN/Wi-Fi Access Points, LED signage, and remote IP cameras with up to 100W PoE++ (IEEE 802.3bt Type 4) from a rackmount or PoE switch; Ideal for simplifying cable runs carrying power and data

• 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

General		
	UPC	065030939188
	Warranty	Lifetime
Physical & Environmental		
	Color	Black
	Wire Gauge	24 AWG
	Conductor Type	Stranded Copper
	Cable Length	19.7 in [50 cm]
	Cable OD	0.2 in [6 mm]

	Product Length	19.7 in [50 cm]
	Product Width	0.5 in [11.6 mm]
	Product Height	0.6 in [14.2 mm]
	Weight of Product	0.9 oz [26 g]
	Operating Temperature	-20C to 60C (-4F to 140F)
	Storage Temperature	0C ~ 50C (32F to 122F)
	Humidity	0% ~ 90%
Performance		
	Maximum Data Transfer Rate	10 Gbps
	Cable Rating	CAT6 - 250 MHz
	ETL Verified	No
Hardware		
	Number of Conductors	4 pair UTP
	Connector Plating	Gold
	Cable Jacket Material	PVC - Polyvinyl Chloride
	Fire Rating	CM Rated
	Cable Type	Snagless
	Wiring Standard	TIA/EIA-T568B
Packaging & In-the-Box		
	Included in Package	1 - Cat6 patch cable
	Package Width	0.6 in [15 mm]
	Package Depth	7.1 in [18 cm]
	Package Height	8.3 in [21 cm]
	Shipping (Package) Weight	1.6 oz [46 g]
Connector(s)		

Connector 1 (Quantity)	1
Connector 1	RJ-45
Connector 1 (Gender)	Male
Connector 2 (Quantity)	1
Connector 2	RJ-45
Connector 2 (Gender)	Male

Product appearance and specifications are subject to change without notice.