

PRODUCT DATA SHEET

Category 6A U/UTP Patch Cord



Introduction :

Cat6A patch cords serve as indispensable links within modern networking architectures, embodying the pinnacle of Ethernet connectivity at the physical layer. These cords provide essential connections between network devices, ensuring reliable data transmission and robust performance in today's dynamic digital environments.

Performance Characteristics :

Bandwidth : Cat6A patch cords support up to 500 MHz bandwidth, ensuring ample capacity for high-speed data transfer.

Data Rate : Capable of handling 10 Gigabit Ethernet (10GBASE-T) speeds, providing robust connectivity for bandwidth-intensive applications.

Construction : Enhanced with high-quality materials and precise engineering, Cat6A patch cords offer low insertion loss, minimal crosstalk, and superior signal integrity.

Shielding : Available in shielded and unshielded variants, providing flexibility to meet specific environmental requirements and minimize electromagnetic interference (EMI).

Key Applications :

Wi-Fi 6 and 7 Deployments : Supports the high data rates required for access points, enabling seamless connectivity in dense wireless environments.

10Gig Data Applications : Ensuring smooth performance for bandwidth-intensive tasks.

4K/8K Video Streaming : Suitable for transmitting high-resolution video content without latency or loss of quality.

Data Centres : Reliable, high-speed connectivity for server-to-server communication and storage area networks (SANs).

IP Security Cameras : Provides sufficient bandwidth and power for high-definition IP cameras, facilitating clear and uninterrupted video surveillance.

VoIP Telephony : Ensures clear and reliable voice communication in Voice over IP (VoIP) systems.

IoT : Cat6A's higher bandwidth supports high-definition video surveillance cameras and real-time video conferencing systems, ensuring reliable connectivity and smooth operation of critical office infrastructure.

Product Specifications

Cable Construction » Cat6A U/UTP Stranded Bare Copper

Conductor » 8 Copper wires 24 AWG

Insulation » High Density polyethylene

Cable Diameter » 6.0mm±0.2mm

Plug » Cat6A U/UTP Plug with 3 prongs, blue colour, 50µ" 8P8C

Molded Boot Material » Fire Retardant PVC Compounds

Fire Resistant » LSZH – IEC603332-1

Cross Divider » Optimizes Performance & Consistency by Reducing Untwist at Plug

RoHS Compliance » Compliant

POE++ Compliance » Compliant (Power Delivery up to 100 Watts per port)

Cat6A / Class EA Component Performance » Exceeds component requirements of ANSI/TIA-568-D:2018 Category 6A and ISO 11801 Class EA standards at swept frequencies 1-500MHz

Part Numbers

Model No :

Description :

G6PC-C6A-U-XM-GY

Cat6A U/UTP Patch Cord

- X – Length : 0.5m, 1m, 2m, 3m, 5m, 10m

Globalsix - Johannesburg

82 Schooner Street,
Laser Park,
Johannesburg,
South Africa

Contact No : +27 (0) 11 794 8301

Globalsix - Cape Town

Unit 1, Garnet Park,
6 Drill Avenue,
Montague Gardens,
Cape Town

Contact No : +27 (0) 21 555 2594