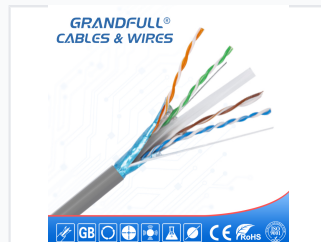


Cat6A Ethernet Cable

This Cat6A Ethernet cable is designed for high-performance networking applications. It supports data transmission speeds up to 10 Gigabit Ethernet, making it suitable for data centers and enterprise networks.



ADDITIONAL IMAGES



Overview

High-Performance Cat6A Networking Solution

This Category 6A Ethernet cable is engineered for high-speed data transmission in demanding environments like 5G networks, data centers, and smart buildings. It supports bandwidths up to 500MHz and is designed for indoor installations where reliability and low signal loss are critical. With multiple shielding and conductor options, it provides a versatile solution for integrated wiring systems, including voice, image, and video transmission.

Technical Performance

Key Performance Metrics

500 MHz

Frequency Bandwidth

10 Gbps

Data Rate (Up to)

305 m

Standard Length

Construction

产品细节 | Product



Close-up of the Cat6A cable showing internal construction and high-quality shielding.

Conductor Specifications

Feature	Specification
Gauge	23AWG
Conductor Diameter	4*2*0.56mm (0.57mm/0.58mm variants available)
Material Options	Oxygen-free Copper (BC) or Copper-clad Aluminum (CCA)
Insulation Material	PE / HDPE
Number of Pairs	4 Pairs (8 Conductors)

Physical Properties

GRANDFULL® CABLES & WIRES



Highly durable outer jacket designed for indoor network infrastructure.

Jacket Material

- PVC
- LSZH PVC (Low Smoke Zero Halogen)

Shielding Types

UTP (Unshielded), FTP (Single Shielded), SFTP (Double Shielded)

Jacket Thickness

0.5 mm

Environmental & Electrical

Operating Temperature

-20°C to +70°C

Max Working Capacitance

5.4nF/100m

Compliance & Quality

Certifications

CE • RoHS • ISO 9001 • ISO 14001 • ISO 18001 • Fluke Test Passed

Quality Features

- Wear resistance
- Resistance to pressure
- Small transmission loss
- Long transmission distance

Applications

Typical Applications

- 5G Network Infrastructure
- Smart Home & Intelligent Buildings
- Data Center Integrated Wiring
- CCTV & Security Monitoring
- Voice and Video Communication

Packaging & Service

包装展示 | Packaging



Various professional packaging options including easy-pull boxes and reels for efficient deployment.



Standard 305-meter bulk packaging for professional installations.

Available Packaging

Easy-pull Box, Plastic Reel, Paper Reel, Wooden Drum, Roll, Carton

Customization Services

Yes