

# Cat6 Ethernet Cable for Data Networking

This Cat6 Ethernet cable is designed for reliable data transmission in networking applications. It features twisted pair conductors for reduced interference and enhanced signal quality.



## ADDITIONAL IMAGES



## Overview

### High-Performance Cat6 Networking Solution

This Cat6 Ethernet cable is engineered for high-speed data networking, supporting frequency bandwidths up to 250MHz. Designed specifically for indoor installations, it features a robust construction that ensures long transmission distances with minimal signal loss. The cable is highly versatile, making it ideal for 5G networks, smart home integration, and professional data center cabling.

## Technical Specifications

### Conductor Specifications

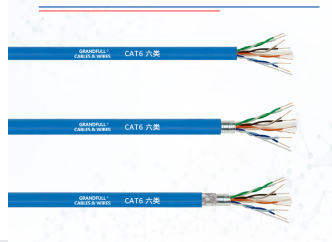
Feature	Specification
Conductor Gauge	23AWG
Structure	4 Pairs (8 Conductors)
Material Options	Oxygen-free Copper (BC) or Copper-clad Aluminum (CCA)
Diameter Options	0.35mm, 0.4mm, 0.45mm, 0.5mm, 0.56mm, 0.58mm
Elongation	>30%

### Performance Metrics

<b>250 MHz</b> Frequency Bandwidth	<b>5.4 nF/100m</b> Max Working Capacitance	<b>305 m/box</b> Standard Length
---------------------------------------	---	-------------------------------------

## Construction & Materials

### 产品细节 | Product



#### Insulation & Jacket

- Insulation: PE or HDPE
- Jacket Material: PVC or LSZH (Low Smoke Zero Halogen) PVC
- Jacket Thickness: e0.5mm
- Color: Customizable (OEM)

#### Shielding Options

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

## Compliance & Testing

#### Certifications & Standards

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

## Environment & Application

#### Operating Temperature

-20°C to +70°C

#### Recommended Applications

5G Networks, Intelligent Buildings, Smart Homes, Data Centers, Integrated Cabling Systems, Voice & Video Transmission

## Packaging & Service

### 包装展示 | Packaging



#### Available Packaging

- Easy-pull Box (305m)
- Plastic Reel
- Paper Reel
- Wooden Drum
- Roll
- Outer Carton

#### Service Offerings

- OEM Service Provided
- Custom Printing on Jacket
- Free Samples Available for Testing