

# Cat6 Ethernet Cable with Integrated Power

This Cat6 Ethernet cable provides reliable data transmission. It also features an integrated power cable for simplified installation.



## ADDITIONAL IMAGES



## Product Overview

### 产品细节 | Product



### High-Performance Integrated Data & Power Solution

This Cat6 Ethernet cable features integrated power conductors, providing a streamlined single-cable solution for networking and surveillance systems. Designed for indoor installations, it offers long transmission distances with minimal signal loss and high resistance to wear and pressure. It is an ideal choice for 5G networks, intelligent buildings, and security applications requiring both high-speed data and reliable power delivery.

## Technical Specifications



### Cable Construction

| Component           | Specification                            |
|---------------------|------------------------------------------|
| Cat6 Conductor      | 4*2*0.57mm (0.5mm/0.56mm optional)       |
| Power Conductor     | 0.5mm <sup>2</sup> / 0.75mm <sup>2</sup> |
| Conductor Material  | Bare Copper (BC)                         |
| Insulation Material | Polyethylene (PE)                        |
| Jacket Material     | PVC                                      |
| Twisted Pairs       | Four Pairs                               |

|                          |       |
|--------------------------|-------|
| Max Resistance Imbalance | 2.5 % |
|--------------------------|-------|

### Performance Metrics

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**100 Ohm**  
Impedance

**6.58 @00m**  
Max DC Resistance

**5000 M@M**  
Insulation Resistance

### Features & Customization

#### Key Features

- Integrated power supply (2C) for simplified wiring
- High wear and pressure resistance
- Optional shielding and conductor diameters
- Optional rip cord and center splitter
- OEM service available for jacket color and printing

### Compliance & Quality

#### Certifications & Testing

ISO9001, ISO14001, ISO18001, CE, RoHS, Fluke Tested

### Applications

#### Typical Applications

5G Networks • IP Surveillance • Intelligent Buildings • Smart Homes • Voice & Image Transmission

### 包装展示 | Packaging



### 装柜展示 | Cabinet display



### Packaging Types

- Easy-pull box (305m)
- Plastic Reel
- Paper Reel
- Wooden Drum
- Roll