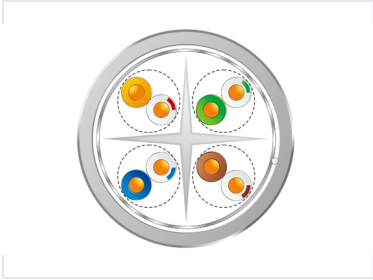


# CAT6 CMP Ethernet Cable

This CAT6 CMP Ethernet cable is designed for high-speed data transmission. It is suitable for use in cloud computing centers, computer rooms, hospitals, libraries, high-rise buildings and industrial environments where high flame resistance is required.



## Overview

### High-Performance Plenum-Rated Ethernet Solution

This Category 6 (CAT6) Ethernet cable is engineered for high-speed data transmission up to 250 MHz, making it ideal for demanding networking environments. Featuring a CMP (Communications Multipurpose Cable, Plenum) rating, it offers superior flame resistance, allowing for open cabling without the need for additional ducts. This design significantly reduces installation time and space requirements while ensuring reliable, high-bandwidth connectivity.

## Technical Specifications

### Transmission Frequency

**250 MHz**

Max Frequency

Characteristic Impedance	100±15Ω
Test Voltage	1000 V
Insulation Resistance	e6@M
Temperature Range	-20°C ~ 70°C
Min. Bending Radius	8D (Fixed Application)

## Construction & Materials

### Shielding Options

- U/UTP (Unshielded)
- F/UTP (AL/Mylar overall screen)

### Jacket Color

Grey

Conductor Type	Solid bare copper
Insulation Material	FEP
Jacket Material	High flame-retardant PVC

## Compliance & Standards

### Fire Safety Rating

CMP (Plenum)

Reference Standards	IEC61156-5, ANSI/TIA-568-C.2, EN50173, ISO/IEC11801
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