

# Ethernet CAT6 Data Cable

This high-speed data cable is designed for cabling systems in computer rooms, factories, and cloud computing centers. It supports LAN applications such as IEEE 802.3: 10Base-T, 100Base-T, and 1000Base-T, and can also be used in industrial environments.



## Overview

### High-Performance Ethernet CAT6 Cable

This Ethernet CAT6 data cable is engineered for reliable, high-speed data transmission in local area networks and communication systems. It supports signal transmission up to 250 MHz and features advanced shielding options to ensure excellent resistance to external electromagnetic interference. Designed for durability and versatility, it meets international standards including IEC61156-5 and ANSI/TIA-568-C.2.

## Technical Specifications

### Transmission Bandwidth

**250 MHz**  
Max Frequency

Temperature Range (PVC)	-20°C ~ 70°C
Temperature Range (LSZH)	-40°C ~ 80°C
Test Voltage	1000 V
Characteristic Impedance	100 Ω
Insulation Resistance	e6@M
Minimum Bending Radius	8D (D = cable diameter)

## Construction

### Shielding Types

- U/UTP (Without shield)
- F/UTP (AL/Mylar overall screen)
- SF/UTP (AL/Mylar overall screen and tinned copper wire braid)

Conductor	Solid bare copper
Insulation	PE
Jacket Materials	PVC, LSZH

## Compliance & Features

### Flame Resistance Standard

IEC60332-1

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