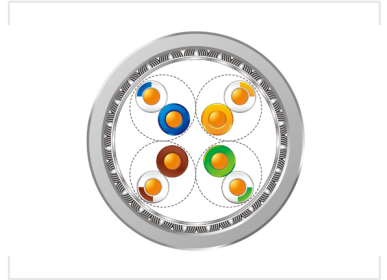


# CAT5e Ethernet Cable

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



## Product Overview

### High-Performance CAT5e Ethernet Cable

This CAT5e Ethernet cable is engineered for reliable, high-speed data transmission in professional networking environments. Designed with twisted pair construction, it effectively minimizes interference to ensure optimal signal integrity and stable connections. Built to international standards, this cable offers versatile construction options to suit various installation requirements, from standard office setups to environments requiring enhanced EMI protection.

## Technical Specifications

### Max Transmission Frequency

**100 MHz**

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 & Standards

### Material Composition

Component	Material/Type
Conductor	Solid bare copper
Insulation	PE
Jacket	PVC / LSZH

### Shielding Options

- U/UTP (Unshielded)
- F/UTP (AL/Mylar overall screen)
- SF/UTP (AL/Mylar screen + tinned copper braid)

Compliance Standards	IEC61156-5, ANSI/TIA-568-C.2, EN50173, ISO/IEC11801, IEC60332-1
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## Features

### Key Features

Flame Resistant • EMI Resistant • Twisted Pair Construction • High Durability