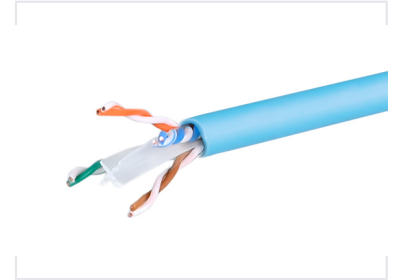


# CAT6 Unshielded Twisted Pair Cable

This high-performance CAT6 (Category 6) unshielded twisted pair (UTP) cable is designed for data transmission. It features 4 twisted pairs of 24 AWG solid copper conductors, ensuring reliable signal integrity and minimal crosstalk.



## Overview

### High-Performance Data Connectivity

This CAT6 Unshielded Twisted Pair (UTP) cable is engineered for reliable, high-speed data transmission in professional networking environments. Supporting frequencies up to 250 MHz, it is an ideal solution for Gigabit Ethernet applications requiring stable connectivity and minimal crosstalk. The cable features robust construction with solid bare copper conductors and is available in both PVC and LSZH jacket options to meet various safety and environmental standards.

## Standards & Compliance

### Compliance Standards

UL444, UL1581, UL1666, IEC60332-1, IEC60332-3-24, EN50399, ISO/IEC11801, ANSI/TIA-568-C.2, RoHS, REACH

## Physical Properties

### Insulation Diameter

**1.02 mm**

Unshielded Ordinary

**1.09 mm**

Shielded

### Jacket Material Options

PVC • LSZH (Low-Smoke Halogen-Free)

### Conductor Material

Solid bare copper

## Mechanical Performance

### Mechanical Specifications Table

Parameter	PVC Min	LSZH Min
Tensile Strength (Before Aging)	13.5 Mpa	10.0 Mpa
Elongation (Before Aging)	150%	125%
Tensile Strength (After Aging)	12.5 Mpa	8 Mpa
Elongation (After Aging)	125%	100%

## Environmental

### Operating Temperature

- PVC: -20°C to 50°C
- LSZH: -30°C to 50°C