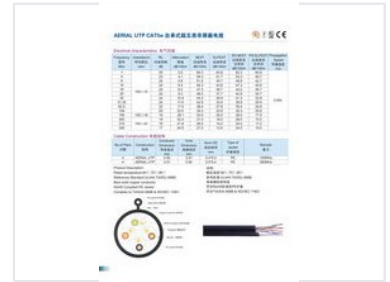


# UTP CAT5e Communication Cable

This is an aerial UTP CAT5e communication cable. The cable's construction includes details on the structure/pair, conductor, insulation, and jacket.



## Overview

### High-Performance Aerial UTP CAT5e Cable

This Aerial UTP CAT5e communication cable is designed for reliable indoor and outdoor network installations, featuring a self-supporting structure for aerial applications. It utilizes high-purity bare copper conductors and HDPE insulation to ensure stable signal transmission and durability across a wide temperature range. Compliant with international standards like ISO/IEC 11801 and YD/T1019-2001, it is an ideal solution for professional telecommunications and data networking environments.

## Key Metrics

### Performance Highlights

<b>100 ©</b> Impedance	<b>0.51 mm</b> Conductor Diameter	<b>300 MHz</b> Max Frequency
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## Standards & Compliance

Compliance Standards	YD/T1019-2001, ISO/IEC 11801, EN11801, IEC 11801
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## Construction Details

### Jacket Materials

- PVC (Inner)
- PE (Outer)
- Steel Wire Support

### Physical Dimensions

Structure	Insulation Thickness (mm)	Jacket Diameter (mm)
1*4P	0.215	5.2 ± 0.2
2*4P	0.215	8.6 ± 0.2

Conductor Material	Bare Copper
Insulation Material	HDPE (High-Density Polyethylene)

## Electrical Characteristics

### Transmission Performance (per 100m)

Freq (MHz)	RL (dB)	Atten (dB)	NEXT (dB)	Delay (ns)
1	20	2	65.3	570
10	25	5.9	50.3	537.6
100	20	19.8	35.3	532.2
250	17	32.8	29.3	530.8
300	16	36.1	27.8	530.5

## Environment & Usage

### Application Scope

Indoor • Outdoor • Aerial Self-Supporting

### Operating Temperature

-20 to +60