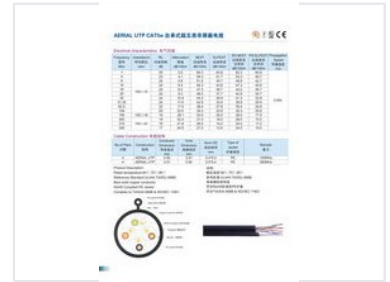


UTP CAT5e Communication Cable

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

100 ©

Impedance

0.51 mm

Conductor Diameter

300 MHz

Max Frequency

Standards & Compliance

Compliance Standards

YD/T1019-2001, ISO/IEC 11801, EN11801, IEC 11801

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