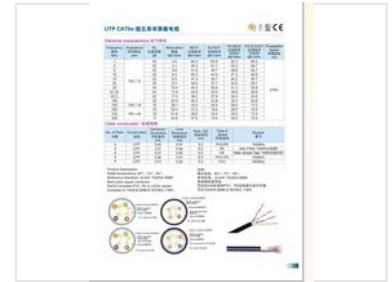


UTP CAT5e Communication Cable

This UTP CAT5e communication cable is designed for data transmission. Cable specifications include frequency ranges, attenuation, and return loss values, making it suitable for 10BASE-T, 100BASE-TX, and 1000BASE-T networks.



Overview

High-Performance Data Transmission

The UTP CAT5e Communication Cable is engineered for reliable high-speed networking, supporting 10BASE-T, 100BASE-TX, and 1000BASE-T Ethernet standards. It features high-quality bare solid copper conductors and is available in multiple jacket configurations including PVC, PE, and LSZH to suit various installation environments. This cable is designed to meet rigorous international standards, ensuring optimal signal integrity and minimal crosstalk for professional telecommunications infrastructure.

Key Performance Metrics

Key Metrics

1000 BASE-T

Max Speed

80 °C

Rated Temp

30 V

Rated Voltage

100 kg/km

Approx. Weight

Construction Details

Conductor Material	Bare solid copper
Number of Pairs	4
Jacket Material Options	PVC, PE, LSZH
Outer Diameter	5.1 mm

Electrical Characteristics

Transmission Performance (per 100m)

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
1	2	65.3	62.3	20
10	6.5	50.3	47.3	25
31.25	11.7	42.9	39.9	22.9
100	22	35.3	32.3	20.1
250	36.5	29.3	26.3	17.3

Compliance & Standards

Reference Standards

- YD/T1019
- TIA/EIA-568B

Network Compatibility

10BASE-T • 100BASE-TX • 1000BASE-T