

FTP CAT5e Communication Cable

This is a FTP CAT5e communication cable. It is constructed with multiple pairs, specific conductor material and diameter, insulation, and a jacket, while adhering to UL/NEC and ANSI/TIA standards.



Overview

High-Performance FTP CAT5e Communication Cable

This FTP CAT5e communication cable is designed for reliable data transmission in professional networking environments. Constructed with four pairs of solid conductors and shielded with Aluminum Mylar, it ensures excellent signal integrity and protection against electromagnetic interference. Compliant with international standards like TIA/EIA-568B.2 and ISO/IEC 11801, this cable is suitable for high-speed Ethernet applications requiring durable PVC, PE, or LSZH jacketing.

Key Metrics

Performance Highlights

100 MHz

Max Frequency

100 Ω

Impedance

24 AWG

Conductor Gauge

Construction Details

Number of Pairs	4
Conductor Material	Solid
Conductor Diameter	0.5 mm
Shielding	Aluminum Mylar
Internal Components	Drain Wire, Rip Cord, Anti-rodent compound

Physical Properties

Available Jacket Materials

PVC • PE • LSZH

Outer Diameter (4 Pairs)	5.2 mm
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Compliance & Standards

Industry Standards

- UL/NEC Section 800
- ANSI/TIA-568B.2
- ISO/IEC 11801

Electrical Performance

Transmission Characteristics (per 100m)

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)
1	2	65.3	62.3	63.8
10	6.5	50.3	47.3	43.8
25	10.4	44.3	41.3	35.8
100	22	35.3	32.3	23.8