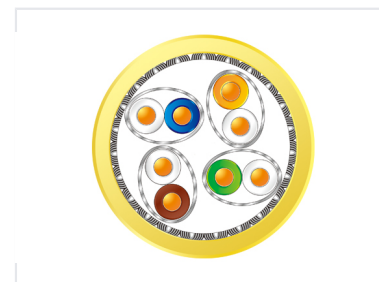


CAT7 Ethernet Cable

This high-speed data cable is designed for cabling systems in cloud computing centers, computer rooms, and factories. It supports LAN applications such as IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, and 10GBase-T, and is suitable for industrial environments.



Overview

High-Performance CAT7 Networking

This CAT7 Ethernet cable is engineered for demanding network applications that require high bandwidth and low latency. It features a robust construction with individual AL/Mylar shielding and an overall tinned copper braid, ensuring excellent resistance to external electromagnetic interference (EMI). With support for signal transmission up to 600 MHz, this cable is an ideal solution for professional data infrastructure needs.

Technical Parameters

Transmission Frequency

600 MHz
Max Frequency

Characteristic Impedance	100 Ω
Insulation Resistance	$e6\Omega\cdot m$
Test Voltage	1000V / min (DC)
Temperature Range (PVC)	-20°C ~ 70°C
Temperature Range (LSZH)	-40°C ~ 80°C

Construction

Cable Construction

Component	Material/Detail
Conductor	Solid bare copper
Insulation	Foamed PE
Shielding	AL/Mylar individual screen + Tinned copper braid
Jacket	PVC / LSZH

Min. Bending Radius	8D (D = cable diameter)
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Compliance & Features

Key Features

- Excellent EMI resistance
- High-speed data transmission
- Flame retardant design
- Shielded twisted pair construction

Reference Standards

IEC61156-5, EN50173, ISO/IEC11801

Flame Resistance Standard

IEC60332-1