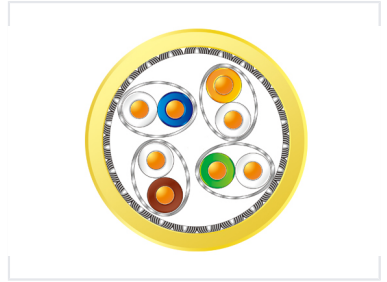


CAT8 Ethernet Cable

This high-speed data cable is used in cabling systems for cloud computing centers, computer rooms, and factories. It is designed for LAN applications such as IEEE 802.3 and can also be used in industrial environments.



Overview

High-Performance CAT8 Connectivity

This CAT8 Ethernet cable is engineered for demanding high-speed network environments, supporting transmission frequencies up to 2000 MHz. Featuring a robust construction with individual pair shielding and an overall braid, it effectively minimizes crosstalk and electromagnetic interference. Designed for reliability, this cable supports data transfer rates up to 40 Gbps, making it an ideal choice for data centers and high-bandwidth infrastructure.

Performance Metrics

Max Transmission Frequency

2000 MHz

Bandwidth

Characteristic Impedance	100±15Ω @ 100MHz
Insulation Resistance	e6@1m
Test Voltage	1000V / min (DC)

Construction

Materials

- Solid bare copper (Conductor)
- Foamed PE (Insulation)
- AL/Mylar individual screen
- Tinned copper wire overall braid
- PVC / LSZH (Jacket)

Min. Bending Radius	10D (D = cable diameter)
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Compliance & Features

Key Features

Flame Resistant • EMI Resistant • Shielded • High-Speed

Reference Standards	IEC61156-9, IEC60332-1
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Environmental

Temperature Range (PVC)	-20°C ~ 70°C
Temperature Range (LSZH)	-40°C ~ 80°C