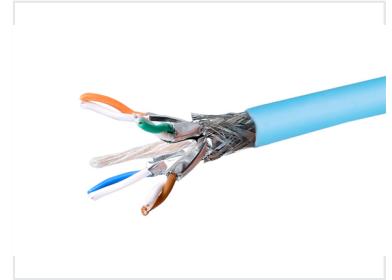


Shielded Twisted Pair CAT7 Cable

This CAT7 cable is designed for 10GBase-T Ethernet transmission with test bandwidth up to 600MHz. It supports applications like VoIP, ISDN, and 100Base-T.



Overview

High-Performance CAT7 Networking Solution

This Shielded Twisted Pair CAT7 cable is engineered for high-speed data transmission, supporting frequencies up to 600 MHz and data rates up to 10 Gbps. It features advanced shielding, including individual foil wraps for twisted pairs and an overall braided shield, ensuring superior protection against EMI/RFI interference. Designed for demanding environments, this cable is built with robust materials to meet international standards for reliability and performance in data centers and high-speed network applications.

Physical Parameters

Sheath Material Options

PVC • LSZH (Low Smoke Halogen-Free)

Conductor Material	Solid bare copper
Conductor Diameter	0.56 mm
Insulation Material	Skin foam skin polyethylene
Shielding Construction	Individual foil pair shielding, Braided shield (tinned copper or aluminum-magnesium alloy), Shield coverage e40%
Working Temperature Range	-30°C to 50°C (LSZH)

Mechanical Parameters

Mechanical Performance Metrics

Metric	PVC Min Value	LSZH Min Value
Tensile strength (before aging)	e13.5Mpa	e10.0Mpa
Elongation (before aging)	e150%	e125%
Tensile strength (after aging)	e12.5Mpa	e8Mpa
Elongation (after aging)	e125%	e100%

Electrical Parameters

Key Electrical Metrics

25 ns/100m

Max Delay Difference

74 %

Transmission Speed

9.5 ~~0~~00m

Max DC Resistance

Compliance

Standards Compliance

- UL444
- UL1581
- UL1666
- IEC60332-1
- IEC60332-3-24
- EN50399
- ISO/IEC11801
- IEC61156-5
- RoHS Compliant
- REACH Compliant