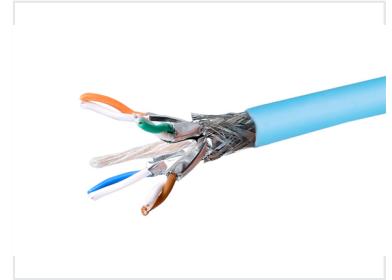


Shielded Twisted Pair CAT8 Cable

This CAT8 cable is designed for 25/40G Ethernet transmission, supporting a test bandwidth up to 2000MHz. High-quality copper materials ensure excellent tensile and electrical resistance properties.



Overview

High-Performance CAT8 Networking

This Shielded Twisted Pair (STP) CAT8 cable is engineered for demanding network environments requiring high-speed data transmission and superior signal integrity. Featuring a robust construction with tinned copper braiding and aluminum foil shielding, it effectively minimizes interference in data centers and enterprise networks. Built to rigorous international standards, this cable provides reliable connectivity for high-bandwidth applications.

Standards & Compliance

Compliance Standards

IEC60332-1, IEC60332-3-24, EN50399, ANSI/TIA-568-C.2-1, IEC61156-9, RoHS, REACH

Physical Parameters

Conductor Specifications

23 AWG

Conductor Gauge

Construction Details

Component	Specification
Conductor Material	Solid bare copper
Insulation Material	Skin-foam-skin PE
Insulation Diameter	1.53 ± 0.05 mm
Shielding	Aluminum foil (PIMF) + Tinned copper braiding (e60% coverage)
Jacket Diameter	9.0 ± 0.4 mm
Jacket Material Options	PVC or LSZH

Mechanical Parameters

Tensile Strength

- Before aging: e10.0 Mpa
- After aging: e8.0 Mpa

Elongation Properties

- Before aging: e125%
- After aging: e100%

Electrical Parameters

Key Electrical Metrics

76 %

Rate of Transmission

25 ns/100m

Propagation Delay Skew

7 ~~0~~00m

Max DC Resistance

Capacitance Unbalance

120 pf/100m