

CAT8 Modular Plug Terminated Link Connector

This connector features tool-free termination for fast and convenient installation, and its PCB adopts an optimized compensation design. The shell is 360° shielded to ensure optimal performance.



Product Overview

High-Performance MPTL Connectivity

The CAT8 Modular Plug Terminated Link (MPTL) connector is engineered for high-bandwidth data transmission in demanding professional network environments. Supporting speeds up to 40 Gbps and bandwidths up to 2 GHz, this solution is ideal for data centers, high-resolution video streaming, and industrial automation. Its robust shielded design minimizes electromagnetic interference, while the MPTL configuration enables direct device connection, simplifying installation and reducing cable management complexity.

Standards & Compliance

Compliance Standards

YD/T 926.3, IEC 60603-7, ANSI/TIA-568.2-D, ISO/IEC 11801, IEEE 802.3bq, TIA-568-C.2-1

Material Composition

Material Specifications

Component	Material Details
Pin	Phosphor bronze, 50 ½ gold plated
IDC Reed	Phosphor bronze, tinned 200 ¼"
Plastic Parts	ABS+PC, UL 94V-0 compliant

Physical Parameters

Durability

1000 cycles

Plug Life

250 cycles

Wiring Life

Environmental Range

- Working temperature: -10 °C to 60 °C
- Storage temperature: -40 °C to 60 °C
- Relative humidity: 10% to 90%

Electrical Parameters

Performance Metrics

- Insulation resistance: $\geq 500 \text{ M}\Omega$
- Withstand voltage: 1000 VAC
- DC current: 1.5 Amps
- DC Resistance: $\leq 100 \text{ m}\Omega$
- Contact resistance: $\leq 20 \text{ m}\Omega$