

# CAT6 Shielded Ethernet Connector Module

This CAT6 shielded module supports short links and accommodates up to six connections. Its PCB utilizes an optimized compensation design and environmentally friendly materials.



## Product Overview

### High-Performance Connectivity

This CAT6 Shielded Ethernet Connector Module is engineered for high-performance data transmission in demanding professional network environments. Designed to provide robust protection against electromagnetic and radio frequency interference, it ensures reliable connectivity. The module features durable construction with high-quality phosphor bronze components, making it a dependable choice for critical infrastructure.

## Standards & Compliance

### Compliance Standards

YD/T 926.3, IEC 60603-7, ANSI/TIA-568.2-D, ISO/IEC 11801, UL 94V-0

## Materials

### Material Specifications

Component	Material
PIN	Phosphor bronze, 50 ½gold plated
IDC Reed	Phosphor bronze, tinned 200 ¼"
Plastic Parts	ABS+PC

## Physical Parameters

### Durability Metrics

**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

### Electrical Performance

- Insulation resistance: e 500 MΩ
- Withstand voltage: 1000 VAC
- DC Current: 1.5 Amps
- DC Resistance: d 100 rΩ
- Contact resistance: d 20 rΩ