

# 24 Port CAT6 Shielded Network Patch Panel

This 0.5U, 24-port patch panel is made from high-quality cold-rolled steel and features an electrostatic spraying finish. The RJ45 slots have 360° shielding and the PCB optimization compensation scheme provides a higher margin index.



## Overview

### High-Performance Network Connectivity

The 24 Port CAT6 Shielded Patch Panel is engineered for high-density network environments requiring superior protection against electromagnetic interference. Constructed from high-quality cold-rolled steel, it provides a robust and durable solution for standard 19-inch rack-mount installations. This panel ensures reliable data transmission through gold-plated contact points and a shielded design, making it ideal for professional IT infrastructure.

## Performance Highlights

### Key Performance Metrics

**24 Ports**

Port Density

**750 Times**

Plug Life Cycle

**1.5 A**

Rated Current

## Physical Construction

### Material Specifications

Component	Material / Coating
Metal Plate	High quality cold rolled plate
PIN Needle	Phosphor bronze, Nickel plated (60%), Tinned (120%), Gold-plated (50%)
IDC Clamping Part	Phosphor bronze, Nickel plated (100%), Tinned (200%)
Plastic Part	UL94V-0 Compliant

## Electrical Characteristics

### Electrical Parameters

- Insulation resistance: 500m $\Omega$
- Pressure resistance: 1000VAC
- DC Resistance: 0.1 $\Omega$
- Contact resistance: 20m $\Omega$

## Installation & Compatibility

Compatible Wire Gauge

22 to 26 AWG Solid conductor

## Environmental Specifications

Operating Temperature	-10 °C to 60°C
Storage Temperature	-40 °C to 68°C
Relative Humidity	10% ~ 90%

## Compliance

Standards & Compliance	CAT6, Shielded, UL94V-0, 19-inch Rack Mount
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