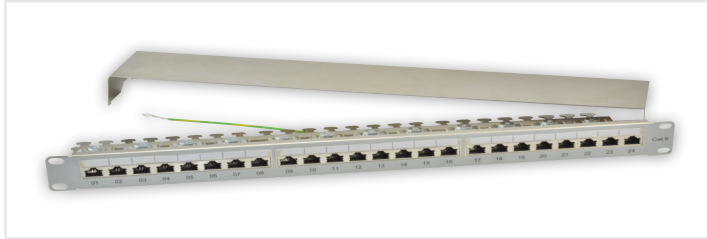


Category 6 Shielded Patch Panel

Techlogiks Cat 6 Shielded modular patch panel utilizes quad frame modules offered with 8-contact inserts wired to Insulation Displacement Connectors (IDC). Fully automatic press-fit production of PCB assembly to ensure consistency quality and complies with international standards.



Applications

- 1000BASE-T, 100BASE-Tx, 10BASE-T, 155M ATM, 4/16MB Token Ring.
- 100Mbps TP-PMD, ISDN, ADSL, Analog & Digital Voice (VoIP) / Video.
- Power over Ethernet (PoE), Control Signal.

Standards

- Lead-free & RoHS2 compliant.
- ANSI/TIA-568-C.2, ANSI/TIA-1096-A (FCC Part 68), ISO/IEC 11801 2nd edition and CENELEC EN 50173-1.
- Level A reliability requirements of IEC 60603-7 for RJ45 8-way unscreened connector.
- T568A AND T568B wiring schemes.

Specifications

| | |
|---------------------------|---|
| Front Panel | SPCC, Black powder coating finish plated with nickel |
| Cover Shield | SPCC plated with nickel |
| Jack Shield Contact Point | Copper alloy plated with tin |
| Jack Housing | High impact flame retardant plastic UL 94 V-0 rated |
| Jack Contacts | Copper wire, plated with hard gold over nickel underplate |
| PCB | FR4, RoHS compliant |
| Conductor Diameters | 26 AWG – 23 AWG |
| Insulation Diameters | 0.8mm – 1.0mm |
| Cable Diameters | 5mm – 9mm |

Electrical Characteristics

| | |
|----------------------------|----------------------------|
| Voltage proof | 1000V DC or AC peak. |
| Current-carrying capacity | 0.75Amps minimum |
| Contact resistance | 20mohm maximum |
| Insulation resistance | 500Mohm minimum at 100V DC |
| Input to output resistance | 200mohm maximum |
| DC resistance | 0.2ohm maximum |

Mechanical Characteristics

| | |
|---|---|
| Mechanical operation | 750 cycles min. for insertion / withdrawal with modular plug. 20 cycles min. for cable re-termination. |
| Effectiveness of connector coupling devices | 50N (11lbf) for 60s ± 5s. |

Environmental Characteristics

| | |
|-------------|--------------|
| Temperature | -10°C ~ 60°C |
| Humidity | 10% ~ 90%RH |

ORDERING INFORMATION

| PART NUMBER | DESCRIPTION |
|---------------|--|
| TL-PNC6-ST24M | 1U 24 Ports Cat 6 Shielded Patch Panel |
| TL-PNC6-ST48M | 2U 48 Ports Cat 6 Shielded Patch Panel |