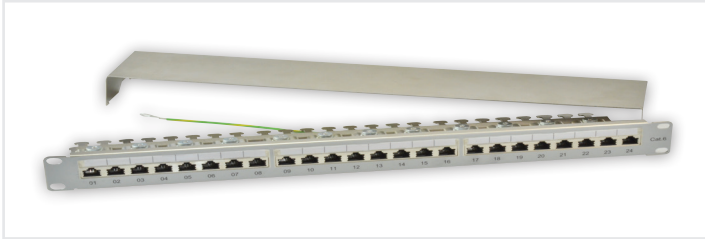


### Category 5e Shielded Patch Panel

Techlogiks Cat 5e 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

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

#### 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.<br>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-PNC5E-ST24M | 1U 24 Ports Cat 5e Shielded Patch Panel |
| TL-PNC5E-ST48M | 2U 48 Ports Cat 5e Shielded Patch Panel |