

### Category 6A Shielded Patch Panel

Techlogiks Cat 6A shielded patch panel is suitable for shielded keystone jack and coupler & snap-in or snap-out easily. Its unique contact alignment reduces on alien crosstalk from each connector and enhance the better performance. Compatible for 24-port applications in 1 Unit Height.



#### Applications

- 10GBASE-T, 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.

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-PNC6A-ST24M	1U 24 Ports Cat 6A Shielded Patch Panel
TL-PNC6A-ST48M	2U 48 Ports Cat 6A Shielded Patch Panel