

## PRODUCT DESCRIPTION

This unit is a standard sized 19" Patch Panel designed for installation in telecommunication / data cabinets and racks. The patch panel is versatile and designed to accommodate 22-24 AWG solid conductors and uses an approved industry standard 110 IDC for cable terminations. This product comes in the following dimensions - 1U = (24 ports)

## DESIGN FEATURES

- Colour coding of conductors according to TIA T568B and T568A Cabling Standards
- Numerical labeling of ports on the front side of the panel, Space for additional labeling
- Colour and numerical labeling of IDC modules on the rear side of the panel
- Hyperline patch cord usage provides the best connection
- 110 type IDC with peaked crowns at every pair for easy installation
- 110 type impact punch down tool is used for cable termination

## APPLICATIONS

- Suitable for horizontal cabling system installations as well as creating consolidation points in the horizontal subsystem.
- Suitable for installation in data centers, telecommunication rooms and network equipment areas.

## CERTIFICATIONS & COMPLIANCE

- Meets/ Exceeds ANSI/TIA/EIA-568-C Category 6A performance requirements
- Meets/ Exceeds TIA/EIA TSB-40
- IEC 60603-7
- IEEE 802.3at Power over Ethernet Plus (POE+) applications
- Meets ISO/IEC Generic Cabling Standard 11801
- IEC 605 12-99-001 Mating & un-mating connectors under electrical load
- cULus Listed
- RoHs

## MATERIALS

Metal housing:	Metal (SPCC) 1.6mm
Shielded Case	Brass Nichel Plated
Jack Housing	PBT UL-94V0
Spring Pin	Phosphor Bronze C5210, t = 0.3 plating -120u" Matte Tin over 60u" Nickel Undercoat. Plating 50u" Gold over the plated surface on contact area
IDC Contact	Phosphor Bronze C5191, t = 0.4, 200u" Matte Tin over 100u" Soft Nickel Undercoat
Pin Holder	PBT UL94V-0, PCB: FR-4, IDC Housing UL-94V0
Contacts	Phosphor Bronze 8P8C & 50 micro inches gold plated

## ELECTRICAL CHARACTERISTICS

DC Current Rating	1.5 A
Contact Resistance	20 MOhm
Insulation Resistance	500 MOhm
DC Resistance	0.1 Ohm
Dielectric Withstanding Voltage	1000 V AC RMS, 60Hz/1min

## MECHANICAL CHARACTERISTICS

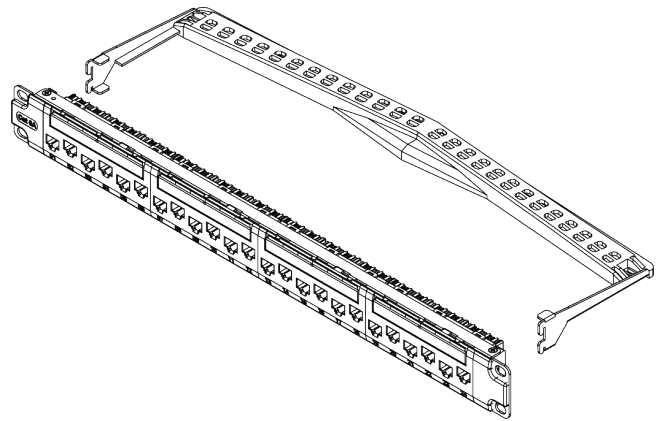
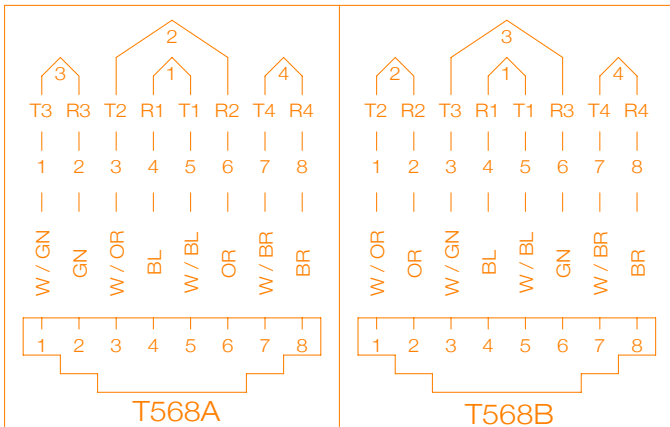
Operating Temperature Range	-10 C to 60 C
Storage Temperature Range	-40 C to 68 C
Humidity Range	10% - 90% RH
Durability	200 Termination Cycles
Plug Retention Force	11 lb f min
Contact Force	100 grams with FCC compliant RJ45 plug
Insertion Life	750 mating cycles with FCC Compliant RJ45 plug

## PRODUCT CHARACTERISTICS

- 110 type IDC with peaked crowns at every pair for easy installation
- 110 type impact punch down tool is used for cable termination
- Accommodates 22 to 24 AWG solid conductors

## C6A CHANNEL COMPLIANT

ACCORDING TO ANSI/TIA-568-C.2 REQUIREMENTS



## ORDERING

**PPC-19-24-8P8C-C6A-110-LB** 19" Patch panel, 24 ports RJ45, category 6A, 110 IDC with Lacing Bar