

Category 6A – Patch Panels

Product Overview

Alston Systems Category 6A Unshielded Patch Panel are six port RJ45 modules applied and suitable for 22-26 AWG stranded and solid wire, compatible with both 110 & Krone punch down tools. Alston Systems Category 6A Shielded Patch Panel is scientifically engineered to provide superior Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) protection for data security. It provides a higher level of security to sensitive networks in areas such as government, healthcare and manufacturing.



Materials

- IDC: PC UL94V-0
- Housing: ABS 94V-0
- PCB: FR-4 1.6 mm (0.06”) thick, 2 layers
- Metal housing : 1.6 mm (0.06”) thick metal
- Contacts: 0.35 mm (0.014”) phosphor bronze with 1.27 micron (50 micro inches) gold plating on contact area

Specification

- Meets ANSI/TIA/EIA-568-B.2 Category 6A requirements
- Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
- Meets CENELEC Generic Cabling Standard EN50173 - 1:2002

Physical Characteristics

- DC - 100µ inch nickel plated over Phosphor Bronze
- Shielded Cover - 50-60µ inch nickel plated over phosphor bronze
- Jack - Phosphor bronze, 50µ inch gold plating over nickel in contact area

Construction Characteristics

- Space for additional marking.
- Modern design and mounting simplicity.
- IDC Dual contacts provide minimal crosstalk.
- Numeral marking of ports on the front side of the panel.
- Hyperline patch cord usage provides the best connection.
- Color and numeral marking of IDC modules on the rear side.
- Color marking of conductors according to T568B and T568A.

Electrical Characteristics

Dielectric Strength	1000V RMS for 1 min
Current Rating	1.5 Amp Max.
Insulation Resistance	10 M° M in.
Contact Resistance	2m ⁹ per contact
Temperature Range	-10°C to 60°C
Humidity	10% 90%: non condensing
Voltage Rating	72 Vdc Max
Insulation Resistance	500 Ohms(min)@ 500 Vdc

Ordering Information

Part Number	Description
331261243	Alston Systems, Cat.6A Unshielded Patch Panel, 24ports RJ-45, Black
331261483	Alston Systems, Cat.6A Unshielded Patch Panel, 48ports RJ-45, Black
332261243	Alston Systems, Cat.6A Shielded Patch Panel, Dual Type IDC, 24ports, Black
332261483	Alston Systems, Cat.6A Shielded Patch Panel, Dual Type IDC, 48ports, Black