

Category 6A 10G Unscreened Angled Patch Panels

Category 6A 10G Angled Patch Panels are designed to the same high level performance as our standard category 6A panel panels. Angled panels are supplied preloaded with black category 6A jacks or can be ordered unloaded for field configuration. These panel have the added feature of an angled design to help route patch cords to vertical rack or cabinet mounted cable management. This feature eliminates the need for cable management panels, which provides additional rack space in high density applications.



KEY FEATURES

- Connector transmission performance meets or exceeds TIA-568-B.2-10 performance specifications
- Connector contact design provides enhanced plug to jack connection integrity and protects against damage caused by insertion of 4 or 6 position plugs
- Angled design eliminates the need for cable management panels providing additional rack space
- Rear termination is made quick and easy using a 110 type connector compatible with an industry standard single position 110 or Krone termination tool
- Connectors are rated for at least 750 plug insertions providing for the highest level of system reliability
- Maximum strength and durability construction

ORDERING INFORMATION

Category 6A Unscreened Patch Panels

Part Number	Description
24458A-C6A	24-Port Category 6A 10G Angled Patch Panel, T568A/B Wiring, 1.75" (1 RMS) High Panels come with 24 category 6A unscreened keystone jacks and set of mounting screws.
48458A-C6A	48-Port Category 6A 10G Angled Patch Panel, T568A/B Wiring, 3.50" (2 RMS) High Panels come with 48 category 6A unscreened keystone jacks and set of mounting screws.
24U-HDMMP-A-C6A	24-Port Category 6A 10G Angled Field-Configurable Unloaded Panel, 1.75" (1 RMS) High
48U-HDMMP-A-C6A	48-Port Category 6A 10G Angled Field-Configurable Unloaded Panel, 3.50" (1 RMS) High

Black connectors are standard. For panels with other color connectors contact Customer Service.

RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Category 6A Unscreened Patch Panel _____	PSS.C6ASL-UTP-PP (B-AUG-09)
Category 6A High-Density Unscreened Patch Panel _____	PSS.C6ASL-UTP-HD-PP (A-AUG-09)
Category 6A Screened Patch Panel _____	PSS.C6ASL-FTP-PP (A-OCT-08)
Category 6A Unscreened Keystone Jacks _____	PSS.C6ASL-UTP-KJ (A-OCT-08)
Category 6A Screened Keystone Jacks _____	PSS.C6ASL-FTP-KJ (A-OCT-08)
Category 6A Unscreened Patch Cords _____	PSS.C6ASL-UTP-PC (A-OCT-08)
Category 6A Screened Patch Cords _____	PSS.C6ASL-FTP-PC (A-OCT-08)
Category 6A 4-Pair Unscreened Solid Cable _____	PSS.C6A-UTP-4PSLD-C (B-AUG-09)

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SPECIFICATIONS

• TRANSMISSION PERFORMANCE

ANSI/TIA-568-B.2-10: Meets or exceeds category 6A (1–500 MHz) specifications

• TRANSMISSION MEDIA

Unscreened twisted pair (UTP)

• WIRING SCHEME

ANSI/TIA/EIA-568-C.2: T568A & T568B
 ISO/IEC 11801: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)

• ELECTRICAL

Insulation resistance: min 500 MOhm @ 100 V_{dc}
 Dielectric withstanding voltage: 1,000 V_{dc/ac} peak contact to contact @ 60 Hz for 1 min
 Spring wire contact resistance: max 20 Mohm
 IDC contact resistance: max 2.5 MOhm
 Current rating: see figure

• MECHANICAL

Total contact force: min 800 g for 8 wire leads with FCC compliant 8p8c plug
 Retention: 50 N (11 lbf) for 60±5 s
 Mating cycle life: min 750 cycles with FCC compliant 8p8c plug

• CONSTRUCTION

Panel: steel/high-impact black epoxy-powder anticorrosive paint
 Jack housing: high impact thermoplastic, UL94V-0 fire retardant
 Jack contacts: phosphor bronze alloy plated with min 50 µin of gold over 70–100 µin of nickel plating
 Jack IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

• JACK TYPE

8p8c (8-position, 8-contact) "RJ45" type

• WIRE GAUGE

22-24 AWG (0.644 – 0.511 mm)

• MOUNTING DIMENSIONS

Panel: 19" rack-mountable
 114 mm (4.5 in) deep
 44.45 mm (1.75 in) (1 RMU) high (24458A-C6A)
 88.90 mm (3.50 in) (2 RMU) high (48458A-C6A)
 Jacks: W 16.9 mm D 31.3 mm H 19.3 mm
 W 0.67 in D 1.23 in H 0.76 in

• ENVIRONMENTAL CONDITIONS

Storage: -40 °C – +70 °C (-40 °F – +158 °F)
 Operation: -10 °C – +60 °C (+14 °F – +140 °F)
 RH (operation): max non-condensing 93 %

• COMPLIANCE

ANSI/TIA/EIA-568-B.2-10, IEEE 802.3 ab, FCC Part 68 Subpart F, UL 94V-0, UL 1863, IEC 60603-7

• APPLICATIONS

X.21, V.11, S0, ISDN, CSMA/CD 10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T2, 1000BASE-T, 10GBASE-T, TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

• WARRANTY

5-year limited component warranty
 10-year Signamax Link/Channel Warranty
 15-year Signamax Extended Component Warranty
 25-year Signamax Cabling System Warranty

