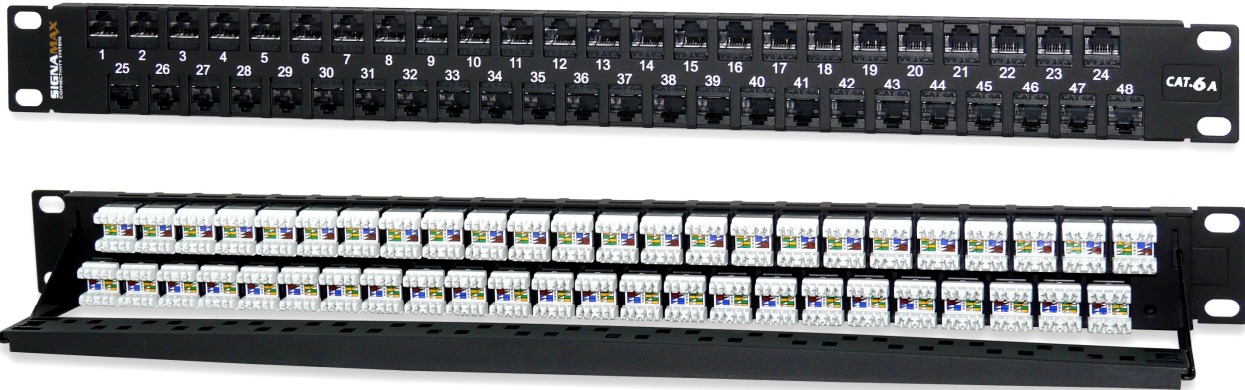


Category 6A High-Density Unscreened Patch Panel

The category 6A high-density unscreened patch panel supports 48 category 6A connectors in a 1 RMS (1.75" H) panel and provides the ability to terminate unscreened category 6A cable in category 6A keystone jacks. Keystone connectors used in the panel are designed to meet or exceed TIA-568-B.2-10 channel level specifications for superior performance. The panel features standard front port numbering labels and comes with a rear cable management bar that mounts easily to the back of the panel.

This high-density panel is the ideal solution where rack space is limited. The panel is supplied as a kit which includes the panel, 48 category 6A black jacks and a cable management bar. Panel kits can be supplied with category 6A unscreened jacks of different colors, which provide additional color-coding capabilities.



KEY FEATURES

- True high-density design – accommodates 48 connections in 1 rack mount space (1.75")
- Connector contact design provides enhanced plug to jack connection integrity and protects against damage caused by insertion of 4 or 6 position plugs
- Can be populated with keystone jacks of different colors adding flexibility to the cabling system administration
- Rear cable management bar
- Connector transmission performance meets or exceeds TIA-568-B.2-10 channel level performance specifications
- 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
48458HD-C6A	48-Port Category 6A 10G High-Density Patch Panel, T568A/B, 1.75" High Panels come with rear cable management bar, 48 category 6A unscreened keystone jacks, and set of mounting screws.

SPECIFICATIONS

Category 6A High-Density Unscreened Patch Panel

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-B.2: T568A & T568B

ISO/IEC 11801 2nd Ed.: 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
 Cable management bar: steel/plastic
 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
 1.5 in deep (w/o cable management bar)
 6.0 in deep (with cable management bar installed)
 1.75 in (1 RMU) high
 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**

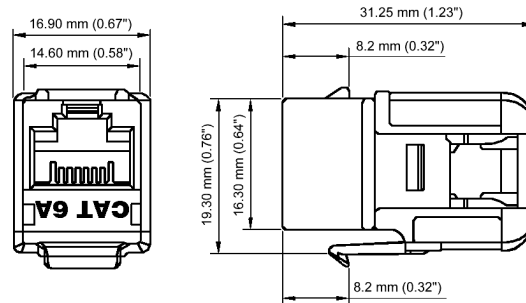
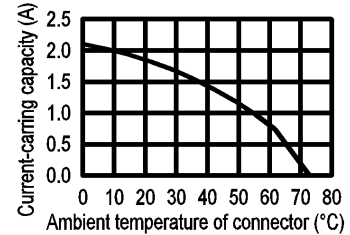
ANSI/TIA/EIA-568-B.2-10, IEEE 802.3ab, FCC Part 68 Subpart F, UL 94V-0, UL 1863, IEC 60603-7

• **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



RELATED PRODUCTS

Product/Product Group	Spec Sheet #
Category 6A Unscreened Patch Panel _____	PSS.C6ASL-UTP-PP (A-OCT-08)
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)

SPECIFICATIONS