

Field-Configurable UTP Patch Panels

The following installation instructions are intended to be used when installing the following Signamax connecting hardware:

24458-C6A	48458-C6A	48458HD-C6A
24458A-C6C	48458A-C6C	48458HD-C6C
24458A-C5E	48458A-C5E	48458HD-C5E

NOTES:

1. 24-panel shown in these instructions used for example purposes only; actual product may be different in number of ports, design details, and some part quantities.
2. Pictures of tools in these instructions used for example purposes only; actual tools may differ from those shown.

1

Check that all parts are in place:

1. Panel
2. Keystone jacks
3. Protection caps
4. Rear cable manager bar
5. Mounting screws (not shown)
6. Cable ties (not shown)

2

Make sure you have all necessary tools for that job:

1. Electrician's scissors (or other cable cutting tool)
2. Cable jacket stripping tool
3. Single-conductor termination tool with 110 cutting blade

3

Install the patch panel in its intended position in the equipment rack, cabinet, or frame using supplied mounting screws.

NOTE: Signamax patch panels are supplied with 10-32x3/8 Philips pan head screws. Please, make sure your mounting hardware has tapped holes compatible with that type of screw; incompatible screws can damage tapped hole.

4 **Preparation to keystone jack termination.** Most of the Signamax patch panels presume termination of the keystone jacks both in an installed state and separately (see NOTE below).

If you prefer to terminate the jacks after installing them in the panel, proceed to the **step 4**.

If you prefer to terminate the jacks before installing them in the panel, follow the keystone jack termination instructions provided with the panel, then proceed to the **step 4**. Signamax recommends using a keystone jack termination fixture (PN KJ-TF) during "loose" termination.

NOTE: Termination of keystone jacks installed in Signamax **48458HD-C6A**, **48458HD-C6C**, and **48458HD-C5E** patch panels is **not recommended**, since that that action can distort the panel frame.

KJ-TF

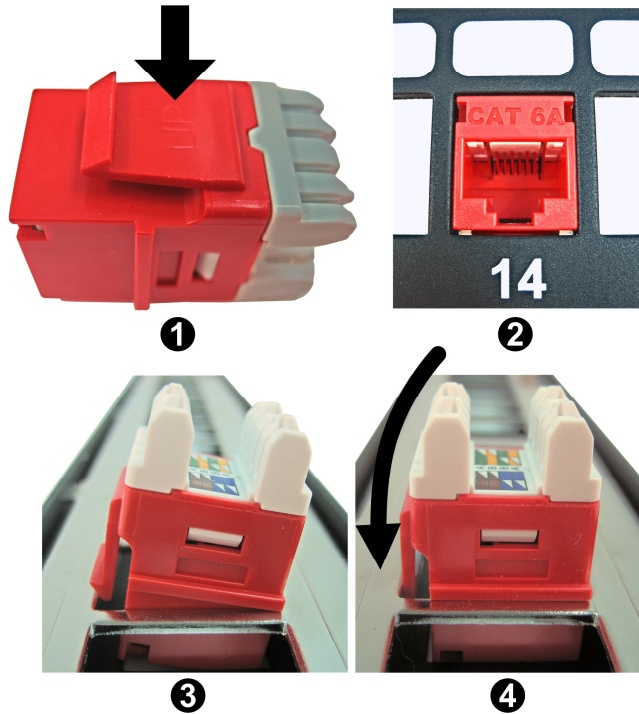
Continued on other side

INSTALLATION INSTRUCTIONS

Field-Configurable UTP Patch Panels

5 **Keystone jack installation.** Keystone jacks shall be installed maintaining their correct orientation:

1. Locate "UP" sign embossed on the locking latch of the jack.
2. Correct jack orientation shall be when the jack contacts are in the upper position and its plug latch receptacle in the lower position. If there is a category designator on the front of the jack, it also can be used to determine the correct jack orientation.
3. Insert the jack into one of the openings on the rear of the panel starting with its lower part, and catch the edge of the opening between two tabs on the bottom part of the jack.
4. Push the jack firmly until it snaps securely in the opening. The jack's latch shall snap behind the upper edge of the opening.



After all jacks were installed in the panel install the cable management bar (1) and fix the cables to it using cable ties (2).

The cable management bar is installed by inserting the bar's side hooks into corresponding slots on the rear side of the patch panel (3, 4) and pushing the bar down until the hooks snap in securely (5).



INSTALLATION INSTRUCTIONS