SNAP® Cu Compact Shielded CAT 6 Patch Panel Installation Instructions

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System Description

Compact DIN-Rail or surface mount shielded CAT 6 patch panel. The device's compact size allows minimum space requirements within control cabinetry. The SNAP Cu provides 12ea. shielded CAT 6 keystone jacks that are backwards compatible to CAT 5. The SNAP patch panel features a sliding faceplate with capture mechanism to allow the patch panel to be kept open "hands-free" while allowing the user to connect or disconnect cables on the back of the faceplate.

Package Contents

Your SNAP Compact CAT 6 Patch Panel packaging should contain the following:

1. SNAP Patch Panel with 12ea. CAT 6 jacks in a separate bag and a termination tool.

Note: If you observe any product damage, or missing parts upon unpacking of the product, please contact DINSpace immediately at support@dinspace.com or by calling 214-613-0349.

Warranty and Repair Information

DINSpace guarantees all of its standard products to be of first-class construction and provides a lifetime warranty against any defects in material and workmanship. The warranty does not apply to damage caused by abnormal or unreasonable use of any of the products (including repairs or alterations other than by DINSpace technical support). This warranty is in place of all other warranties, including warranty of fitness for a particular purpose and warranty of merchantability and excludes any liability for incidental or consequential damages.

Repairs
If your DINSpace product has a manufacturer's defect covered by our warranty, we will either repair or replace it, at our option, without charge. Please contact DINSpace customer support to describe the issue, and if a return is deemed necessary to resolve the issue, a Return Merchandise Authorization (RMA) number will be issued. No returns will be accepted without an RMA number. Send to the address below. Include your name, address, phone number and the RMA number with your return. A product not covered by the warranty can be repaired. Note that repair costs and handling charges may apply. If so, you will be notified prior to any service.

Mounting the SNAP Cu Patch Panel – Rear DIN-Rail Option

The SNAP Cu Patch panel is shipped with the DIN-Rail clip pre-installed for a rear DIN-Rail mount. To mount the patch panel to 35mm DIN-Rail:

1. Position the rear panel of the patch panel directly in front of the DIN-Rail, making sure the bottom of the patch panel DIN-Rail clip hooks under the bottom of the DIN-Rail, as shown in **Figure 1**.
2. Gently pull the bottom of the patch panel upward to compress the spring and allow the top rail to be engaged.
3. Rotate the patch panel up toward the DIN-Rail until the top of the patch panel DIN-Rail clip is over the DIN-Rail.
4. Relieve the upward pressure on the patch panel, and the captured spring will extend, holding the patch panel tightly to the DIN-Rail as seen in **Figure 2**.

Figure 1

Figure 2

Mounting the SNAP Cu Patch Panel - Side DIN-Rail Option

The SNAP Cu Patch panel is shipped with the DIN-Rail clip pre-installed for a rear DIN-Rail mount. In order to side mount the SNAP Cu Patch Panel:

1. Using a 2.5mm Hex Wrench, remove the hex-nuts securing the DIN-Rail clip on the rear of the SNAP Cu Patch Panel as seen in **Figure 3**.
2. Secure the DIN-Rail Clip (spring clasp on bottom) to the two pre-drilled holes on the side of the SNAP Cu Patch Panel, using the same two hex-nuts and DIN-Rail clip as seen in **Figure 4**.
3. Position the side panel of the patch panel directly in front of the DIN-Rail, making sure the bottom of the patch panel DIN-Rail clip hooks under the bottom of the DIN-Rail, as shown in **Figure 5**.
4. Gently pull the bottom of the patch panel upward to compress the spring and allow the top rail to be engaged.
5. Rotate the patch panel up toward the DIN-Rail until the top of the patch panel DIN-Rail clip is over the DIN-Rail.
6. Relieve the upward pressure on the patch panel, and the captured spring will extend, holding the patch panel tightly to the DIN-Rail as seen in **Figure 6**.

Figure 3

Figure 4

Figure 5

Figure 6

Note: The SNAP Cu's DIN-Rail Clip is rated to support 25 pounds, 10x the weight of the patch panel, assuming the patch panel is mounted on the DIN-Rail in a vertical orientation with the spring loaded portion of the DIN-Rail clip on the bottom. Significant rotational torque on the patch panel can result in a failure of the DIN-Rail clip.

Mounting the SNAP Patch Panel - Rear Surface Mount Option

The SNAP Patch panel is shipped with the DIN-Rail clip pre-installed for a rear DIN-Rail mount. In order to surface mount the Patch Panel:

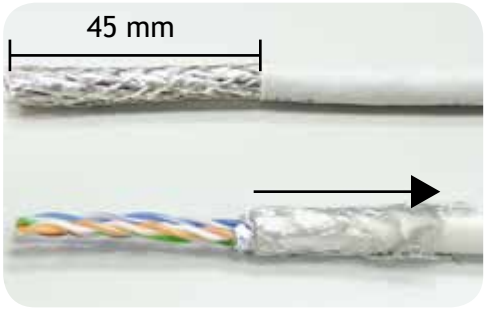
1. Using a 2.5mm Hex Wrench, remove the two hex-nuts securing the DIN-Rail clip on the rear of the SNAP Patch Panel as seen in **Figure 3** and **Figure 3B**.
2. Unfasten the faceplate from the SNAP Patch Panel using the hex wrench provided in the packaging.
3. Remove the faceplate from the SNAP Patch Panel, as seen in **Figure 7**, to allow access to the rear of the Patch Panel.
4. Use surface mount hardware (not included) to mount the SNAP Patch Panel to the surface using the four pre-drilled mounting holes in the rear of the SNAP Patch Panel.
5. Replace the faceplate onto the SNAP Patch Panel.

Figure 3

Figure 3B

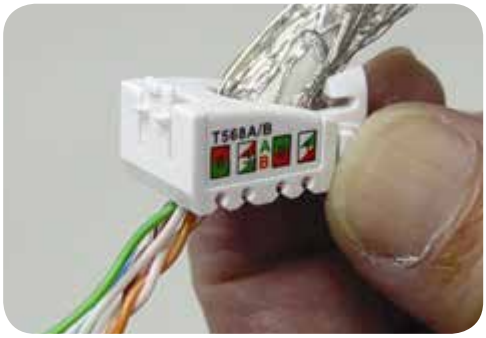
Figure 7

Connecting Field CAT 6 Cables to the Keystone Jacks

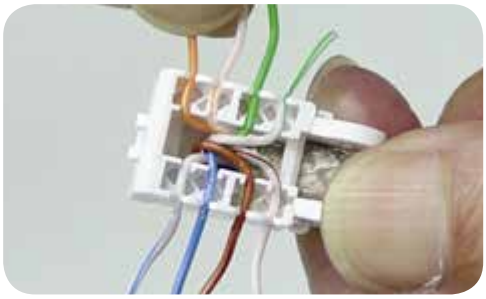


1. Strip back about 45 mm (2 inches) of the field cable outer jacket.

   Roll back the copper braid to expose the wires.

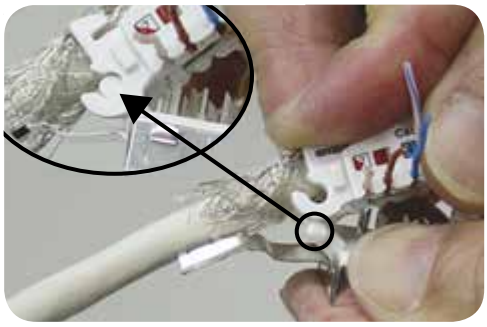


2. Insert the stripped back wire through the adapter body assembly.



3. Separate the wires and secure them to the adapter body according to the wiring standard you are implementing.

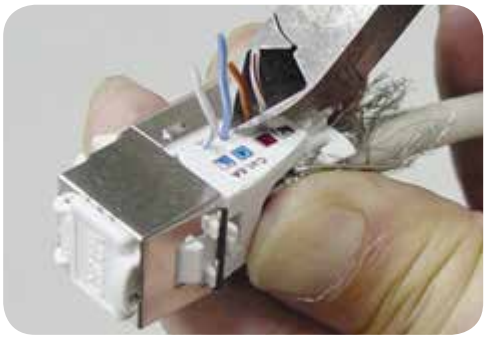
   Note: The adapter can be wired to either T568A or T568B cabling standards



4. Connect the cap hinge to the axis beam of the housing. If correctly connected, the wired cap can rotate back and forth.

5. Place the assembled adapter body and cap into the Termination tool supplied with the adapter.

6. Clamp down to close the adapter cap onto the adapter body.



7. Cut off any excess wire from the edge of the closed adapter assembly.

8. Secure the field cable to the adapter strain relief tab using the zip ties provided. Cut off excess cable tie material after securing the wire.

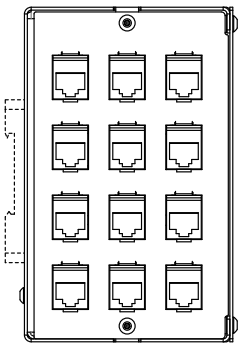
9. Place shield over the adapter.

10. Push the shield cover into place, securing the shield cap to the competed assembly.

11. Completed termination for reference.

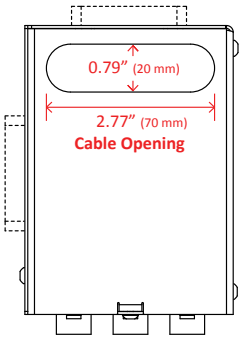
Appendix A - Dimensional drawings

Front View

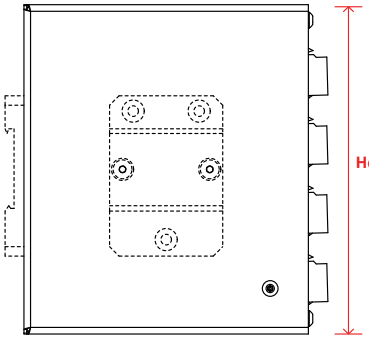


Width - with side DIN-Rail mount 3.68" (93 mm)
without side DIN-Rail mount 3.43" (87 mm)

Top View



Side View



Height - 5.5"
(140 mm)

Depth - with DIN-Rail mount 5.33" (135mm)
without DIN-Rail mount 5.08" (129 mm)

Surface Mount