



PAN-PUNCH 110 Punchdown System

Part Numbers: P110KB1004Y, P110KB1005Y, P110KB3004Y, P110KB3005Y, P110B1004R2Y, P110B1005R2Y, P110B1004R4WJY, P110B1005R4WJY

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INSTALLATION INSTRUCTIONS PN51E

CABLE REQUIREMENT: Terminates most 22-26 AWG solid or stranded IWC wire with a .050" (1.27mm) max. o.d., either PVC or Plenum rated.

LOCATION

Mounting a system at the right height will make wiring changes and additions cost efficient. The optimum height, from the floor to the top of a 300 pair PAN-PUNCH base, is 68 inches. If the customer needs don't exceed the wiring capacity of one base of 100 pair, the optimum distance from the floor to the top of the system can be reduced to 43 inches. This height will allow for expansion of 300 pair on top and 300 pair underneath.

INSTALLATION

1. Use appropriate mounting hardware to install base on desired surface as shown in Figure 1, 3/4" plywood is recommended. (Tip: *PANDUIT* lettering should be upright).
2. Route cables through slots in the base as shown in Figures 1a (4-pair installation) or 1b (25-pair installation). The wire strip color markings from left to right are white, red, blue, yellow, and violet.
3. Insert each pair into position in wire strip slots while maintaining the proper color sequence. Cable jacket end should be within 1/2" from where cable pairs are inserted. Cable pairs must remain twisted up to the point of connection for Category 5e installation.
4. Inspect cable pair color placement prior to using a PDT110 single wire punchdown tool or PDT110M multi-pair punchdown tool to seat and cut the pairs to length.
5. Position the connecting block over the wired base.
6. Secure the connecting block in place using the PDT110M multi-pair punchdown tool. It is important to keep the tool perpendicular to the base to ensure a good termination. Use a combination of 3, 4, and 5-pair connecting blocks to completely fill the wire strip, such as:
 - Five 5-pair connecting blocks
 - Five 4-pair connecting blocks and one 5-pair connecting block
 - Seven 3-pair connecting blocks and one 4-pair connecting block

Figure 1a (4-pair installation)

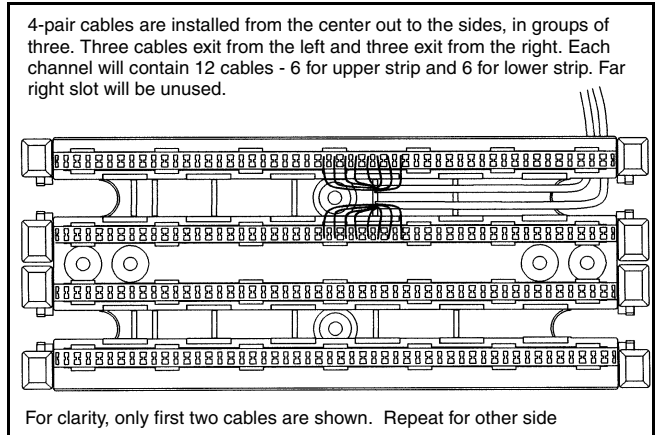


Figure 1b (25-pair installation)

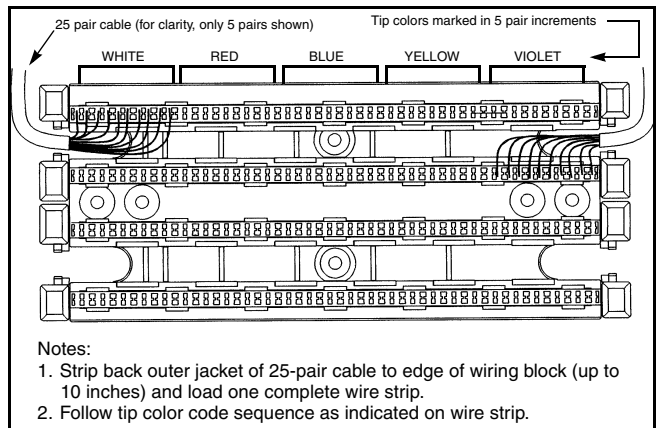


Figure 2a

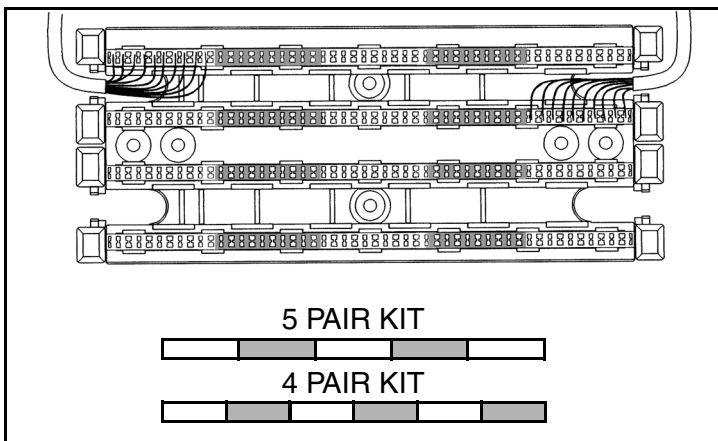
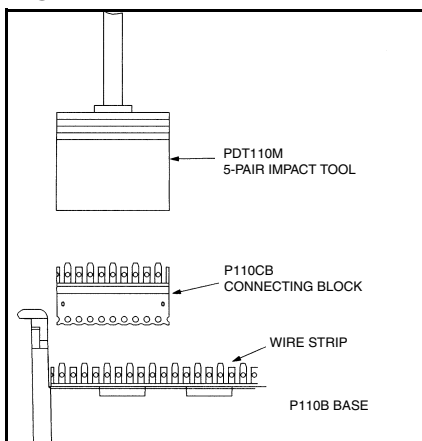


Figure 2b



For Technical Support: www.panduit.com/resources/install_maintain.asp

CABLE REQUIREMENT: Terminates most 22-26 AWG solid or stranded IWC wire with a .050" (1.27mm) max. o.d., either PVC or Plenum rated.

7. Once the connecting blocks have been seated, cross-connect wires can be terminated to the top of the connecting blocks or *PAN-PUNCH* 110 patch cords can be installed. If cross-connecting, reference Fig. 3.
8. Add cable identification to the label, fold label, and slide it into the label holder. The label and label holder snap into position on the base in-between rows of connecting blocks as shown in Figure 4.

Pair	Tip Color	Ring Color
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown
5	White/Slate	Slate
6	Red/Blue	Blue
7	Red/Orange	Orange
8	Red/Green	Green
9	Red/Brown	Brown
10	Red/Slate	Slate
11	Black/Blue	Blue
12	Black/Orange	Orange
13	Black/Green	Green
14	Black/Brown	Brown
15	Black/Slate	Slate
16	Yellow/Blue	Blue
17	Yellow/Orange	Orange
18	Yellow/Green	Green
19	Yellow/Brown	Brown
20	Yellow/Slate	Slate
21	Violet/Blue	Blue
22	Violet/Orange	Orange
23	Violet/Green	Green
24	Violet/Brown	Brown
25	Violet/Slate	Slate

Figure 3

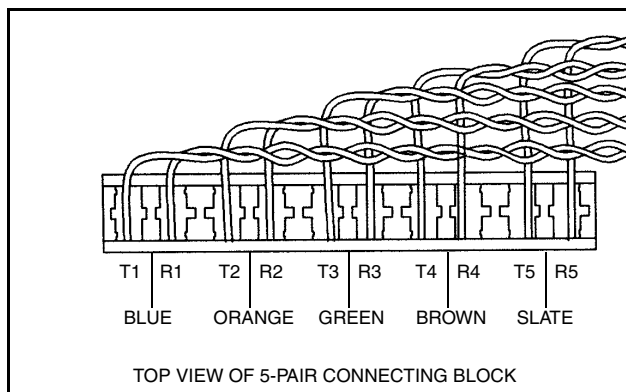
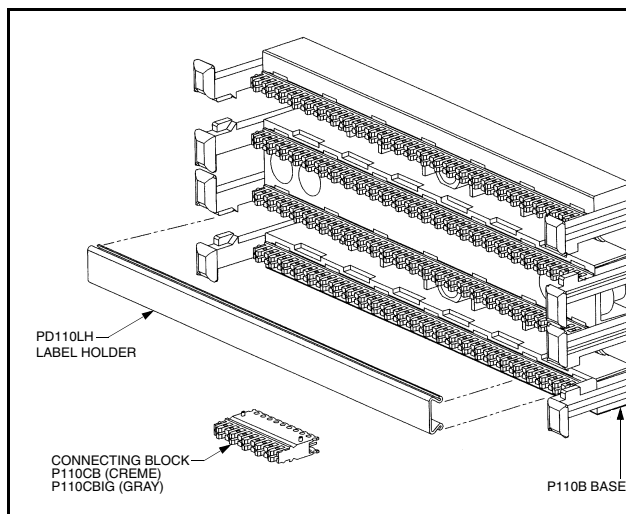


Figure 4



Notes:

1. *PAN-PUNCH* product terminates most 22-26 AWG solid or stranded IWC wire with a .050" (1.27mm) max. o.d., either PVC or Plenum rated.
2. Never install wire into a slot previously used for a larger gauge.
3. Be careful to strip back cable jacket only as required for termination.
4. Use care to maintain pair twists to within 0.5" (13mm) of the termination strip.
5. When stripping cable jacket, be careful not to cut the insulation on the individual wires.
6. Avoid sharp bends when routing cable.

As with all Wiring Accessories, the following statements apply:

1. Never install communications wiring during a lightning storm.
2. Never install communications wiring in wet locations unless the product is specifically designed for use in wet locations.
3. Never touch uninsulated communications wiring or terminals unless the communication line has been disconnected at the network interface.
4. Use caution when installing or modifying communication wiring.

For Instructions in Local Languages
and Technical Support:

www.panduit.com/resources/install_maintain.asp



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