Application Note

TEKPAK™ Stacking Guidelines and TekLok™ Instructions

Application Note ID:
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Date:
2025-02-01

Product Line:
Copper cables manufactured by Leviton and Berk-Tek

Part Numbers Affected:
All boxes with the TekLok™ feature

Leviton offers several packaging options for our copper cabling products. The most popular is TEKPAK™ boxes, with our patented TekLok™ feature, as shown in Figure 1. This unique Leviton design allows TEKPAK boxes to be interlocked, keeping box stacks stable during payout. Within this document, these connected boxes will be known as an installation wall. The TekLok™ feature is intended for any pulls from the box where the cable exits parallel to the ground. TekLok™ tabs and slots can be used if the boxes are pulled up (perpendicular to the ground) for installation by following these instructions, but with the back of the box on the ground.

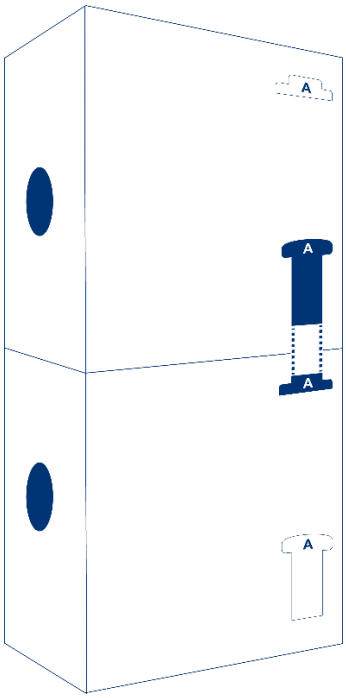

Figure 1: Example TEKPAK™ with tabs and slots A (side) shown (tab and slot B is on far side, tab and slot C is on the top)

Each box contains three tabs, and three slots used for interlocking packages. Each tab is labeled with a letter (A, B, C); there is a corresponding slot on the next package near the tab with the

USA
Network Solutions Headquarters
+1 (800) 722 2082
infoUSA@leviton.com

Leviton Cable (formerly Berk-Tek)
+1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
+852 3620 2602
infoAPAC@leviton.com

Canada
+1 (800) 461 2002
infoCanada@leviton.com

Europe
+44 (0) 1592 772124
infoEurope@leviton.com

Latin America
MX: +52 (55) 2128 6286
LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
+971 (4) 247 9800
infoMEA@leviton.com

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same letter, when the payout holes are aligned in the same direction. Please see Figure 2 for examples of these locks.

Figure 2: Examples of locks in use

Two of the tabs are used to secure the packages vertically and one tab is used to secure the boxes horizontally.

When building an installation wall, some considerations must be made prior to assembly. The first consideration is the wall's intended width and height. The width of the wall has to contain at least two boxes (for stability). The maximum height is three boxes. When planning a wall, it is recommended to have a configuration that is wider in size than its relative height; this will ensure that the wall has the greatest stability when assembling. For example, when making a wall of six boxes, it is recommended to have three boxes wide and two boxes tall instead of two boxes wide and three boxes tall.

When planning the width, make sure that the planned number of boxes will a) fit within the allowable width of the installation area and b) not impede safety practices and regulations for the installation site. For example, a walkway may be required to be maintained within a hallway, prohibiting the installation wall from going across the entire hallway.

Once the location and planned layout is completed, the actual installation wall should be built. All boxes shall be moved using proper lifting techniques to avoid any potential injuries. Starting with the lowest layer, place all boxes required for the bottom layer. After that, place the next

USA
Network Solutions Headquarters
+1 (800) 722 2082
infoUSA@leviton.com

Leviton Cable (formerly Berk-Tek)
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Asia Pacific
+852 3620 2602
infoAPAC@leviton.com

Canada
+1 (800) 461 2002
infoCanada@leviton.com

Europe
+44 (0) 1592 772124
infoEurope@leviton.com

Latin America
MX: +52 (55) 2128 6286
LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
+971 (4) 247 9800
infoMEA@leviton.com

layer on top. Only the outside boxes need to be locked together; optionally, each column can be locked to one another. To lock the columns, go to the right side of the two stacks, and connect Tab A to Slot A. Repeat this on the left side of the stack to connect Tab B to Slot B.

If a third layer can be safely added and Tab C can be safely reached, place it on top of the second layer, connecting the tabs on the left-most (Tab/Slot B) and right-most (Tab/Slot A) sides accordingly.

When the top-most layer is placed, connect the horizontal Tab C to the corresponding Slot C along the top. This shall only be done on the top-most layer; it is not needed on any lower layer of the installation wall.

When completed, an installation wall like the one shown in Figure 3 will be available for use with installation. From here, pull the cable as normal from a box, performing the installation as needed.

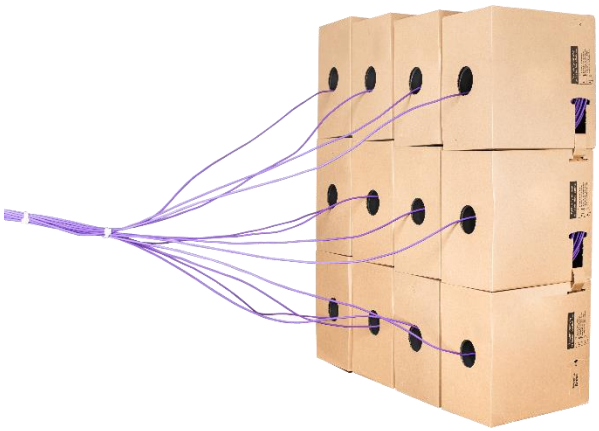

Figure 3: Example installation wall.

When the installation is complete, the wall can be disassembled by removing the tabs from the slots. Tabs shall be pushed back into the box to avoid damaging the tab. The wall can then be reassembled as required in the future by following the guidelines set forth above. Empty TEKPAK boxes can be easily broken down with the cone removed and all components can be recycled in most areas.

USA
Network Solutions Headquarters
+1 (800) 722 2082
infoUSA@leviton.com

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+1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
+852 3620 2602
infoAPAC@leviton.com

Canada
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infoCanada@leviton.com

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+44 (0) 1592 772124
infoEurope@leviton.com

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MX: +52 (55) 2128 6286
LATAM: +52 (55) 2333 5963
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infoMEA@leviton.com