

# Installation Instructions

## KoldLok Extended Brush Raised Floor Grommet 3" (13674-00X) & 6" (13675-00X)

Each carton contains the following items

Quantity per box:	13674-001 & 13675-001	13674-002 & 13675-002
KoldLok Extended 3" or 6" Grommets	1	10
End Caps – Left	1	10
End-Caps – Right	1	10
Floor Mounting Kit	1	10
Self Tapping #10 Screws	5	50
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### General Information:

#### Effective Installation of Cables

In order to minimize any air loss from under the raised floor plenum, make sure to allow for adequate slack in the cables. If the cables are under too much tension, the grommet may be pulled apart, resulting in a gap that will cause an increase in the flow rate of air escaping from under the raised floor.

#### Maintaining Proper Cooling of Equipment

Failure to follow computer manufacturer's guidelines for maintaining proper cooling may result in the overheating of equipment. Before sealing cable cutouts, ensure that there is adequate airflow to the intake side of computer equipment or cabinets through devices such as perforated floor tiles or grates. Achieving proper airflow to the intake side of computer equipment and/or cabinets is the responsibility of the customer.

#### Safety Requirements

Installers must be familiar with standard safety and risk management practices when working in raised floor environments and when modifying floor tiles. An optional cover is available to ensure greater safety before rack and cable installation.

#### Technical or Customer Service:

If you have any questions, please contact us at:  
(800) 834-4969, M-F, 5AM-5PM PST, U.S. of Canada  
or email: [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com)

Chatsworth Products, Inc.  
[www.chatsworth.com](http://www.chatsworth.com)



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For international phone numbers, see our website or contact CPI Tech Support.

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### Preparation and Tools Required for Installation

#### Tools Required:

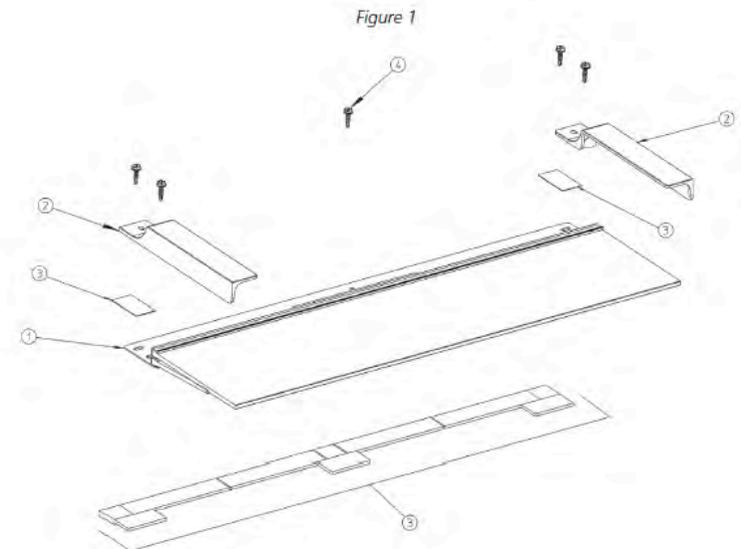
- Bandsaw, table saw, or other appropriate cutting tool
- Hand tools, including bolt cutters, pliers, hammer (or mallet), stake, and metal file

#### Preparation:

- Remove skirts and tip plates to access the cable cutout.
- Determine the maximum dimensions of the trimmed cutout. To ensure stability and proper sealing, the KoldLok Extended Raised Floor Grommet should have a minimum surface-to-floor contact of 1 inch (25mm) on three sides of the cutout. Otherwise, the Grommet cannot be used to effectively seal the cutout. Contact Upsite Technologies, Inc. at (888) 982-7800 for customized products and installation services designed to seal larger openings.
- Determine whether to install Grommets by screwing the product directly to the floor with the self-tapping screws or by using the Floor Mounting Kit.
- Clean the tile and bottom surface of the KoldLok Extended Raised Floor Grommet using an alcohol wipe or a clean cotton cloth, damp with a solution of at least a 50 percent isopropyl alcohol. Helpful tip: When choosing your cleaning cloth, do not use fabric or paper that will disintegrate or leave particles that could interfere with the adhesive.
- The KoldLok Extended Raised Floor Grommet can be modified to fit special situations.

### Product Components (see Figure 1):

1. KoldLok Extended Raised Floor Grommet
2. Right and Left End Caps for protecting and sealing the end of the Grommet
3. Floor Mounting Kit provided as an alternative mounting method if screws cannot be used. The kit includes seven foam strips with 2-sided adhesive backing to adhere the Grommet to the floor, three ESD pads that dissipate static charge by providing a conductive path from the Grommet to the raised floor grounding system, and two strips of double-sided adhesive tape to mount the End Caps to the Grommet.
4. Self-Tapping Screws (5 each) provided as the preferred method of securing the Grommet to the floor tile.



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### Installation Procedures

#### Installation Procedure with Self-Tapping Screws:

**\*IMPORTANT:** If the KoldLok Extended Raised Floor Grommets are being installed in an active data center, remove the floor tile and install the Grommet outside of the active data center environment. Following installation, return the floor tile and Grommet to the raised floor.

1. Position the Grommet over the cable cutout, with the flange resting on the floor tile and Grommet filaments covering the cutout.
2. Ensure the flange does not rest on top of any cutout trim. If the Grommet cannot be placed without resting on the cutout trim, install the Grommet with the Floor Mounting Kit. See Installation Procedure with Floor Mounting Kit.
3. Once the Grommet is positioned as desired, drive a self-tapping screw through the center pre-drilled screw hole on the Grommet flange to attach the Grommet to the raised floor.
4. Align the screw holes of one End Cap with the screw holes on the end of the Grommet flange. Use self-tapping screws to attach the End Cap and flange to the floor tile. The screw-hole design allows for horizontal and vertical positioning of the End Caps when attaching to the flange. NOTE: With the inside wall of the End Caps mounted against the flange, the installed Grommet can seal an opening the length of a 600mm floor tile. With the End Caps extended away from the flange, the installed Grommet can seal an opening the length of a 24-inch floor tile.
5. Repeat Step 4 with the other End Cap.
6. Attach the Grommet with the remaining screws
7. Clean any residue that may have been created during installation.



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### Installation Procedure with the Floor Mounting Kit (see Figure 2):

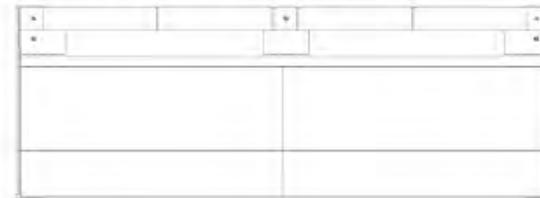
1. Remove one layer of adhesive backing from the ESD pads and mount on the bottom of the flange at the center and outside corners. The ESD pads should cover the exposed aluminum squares on the bottom of the flange.  
\*IMPORTANT: To ensure proper electrostatic discharge, ESD pads must adhere to the bottom surface of the flange.
2. Remove one layer of adhesive backing from each of the four 5-inch strips. Mount strips between each ESD pad, along the rear edge of the flange that is furthest away from the brush holders.
3. Remove one layer of adhesive backing from each of the three 2-inch strips. Mount strips above each ESD pad.
4. Remove the second layer of adhesive backing from all seven adhesive strips. Position the Grommet on the floor tile and over the cable cutout.
5. Adhere the unit to the floor. Press down firmly on all portions of the unit to ensure a secure connection to the raised floor surface.
6. Use the two strips of thin double-sided adhesive to adhere the left and right End Caps to the top of the flange.
7. Mount the End Cap to the edge of the flange to ensure that the outside edges of the End Caps are flush with the edges of the floor tile if the cutout spans the full length of the raised-floor tile.

### **Modification of Extended Raised Floor Grommets**

The KoldLok Extended Raised Floor Grommets can be modified to seal large and unique openings. The metal filament channel and Grommet flange may be cut to a desired length.  
\*IMPORTANT: Never cut metal within the raised floor environment.

- Step 1: Using a hammer (or mallet) and stake, drive one of the metal filament channels out of the Grommet flange to the desired length.
- Step 2: Mark the desired cut line.
- Step 3: Use bolt cutters to cut and snap the metal filament channel.
- Step 4: Crimp the ends of the metal filament channel with pliers to prevent bristle escape. File any rough or sharp corners and edges.
- Step 5: Repeat Steps 1 through 5 above for the other metal filament channel.
- Step 6: Mark the empty Grommet flange for cutting. Cut the flange with a saw.
- Step 7: File the cut edge of the flange.
- Step 8: Use a hammer (or mallet) and stake to reposition the metal filament channel in the Grommet so that the end of the metal filament channel does not protrude from the end of the flange channel.

Figure 2 (underside view of the Grommet)



Step 1



Step 3



Step 6

