



Extended Raised Floor Grommets



Extended - 3" Brush Grommet
Item No. 10012



Extended - 6" Brush Grommet
Item No. 10013

Applications

Designed to seal a wide variety of existing and new openings. Simple modification creates the flexibility to seal large and unique openings such as those found under PDUs.

Based on measurements at multiple data centers, on average 60% of valuable conditioned air is not reaching the air intake of IT equipment due to unsealed floor openings. This lost air, known as bypass airflow, contributes to IT equipment hotspots, cooling unit inefficiencies, and increasing infrastructure costs. KoldLok products specifically address bypass airflow and its detrimental effects on data center cooling.

Benefits

- Supports increased cabinet density
- Increases existing cooling unit capacity
- Reduces the need to purchase additional cooling units
- Improves IT equipment reliability and extends equipment life
- Increases static pressure under the raised floor and improves cool air delivery through perforated tiles and floor grates
- Compliance with best practices for all raised floor cooling configuration (Hot and Cold Aisle, Hot Aisle containment, Cold Aisle containment, etc.)

Features

- Designed to be compatible with both 24 inch and 600 mm tiles.
- The Grommets can be modified to seal unique cable openings.
- The Grommets contain no loose or partially fastened parts, which can become separated or fall through the raised floor.
- KoldLok products are compliant with Directive 2002/95/EC of the European Parliament and the Council on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

Specifications

Dimensions and Tile Cutting Requirements	Inches (W x D x H)	Millimeters (W x D x H)
Overall size (Item No. 10012 3")		
Maximum cutout size sealed	24 x 4	610 x 102
Usable cable area	22 x 2½	559 x 64
Height above the raised floor	1 inch with mounting system installed	25 mm with mounting system installed
Overall size (Item No. 10013 6")		
Maximum cutout size sealed	24 x 7	610 x 178
Usable cable area	22 x 5½	559 x 140
Height above the raised floor	1 inch with mounting system installed	25 mm with mounting system installed

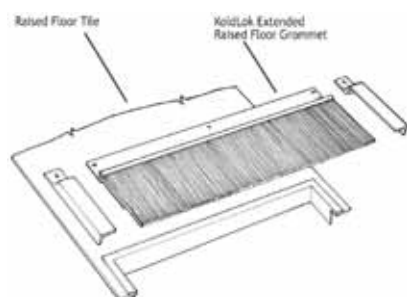
Patented Sealing System

(U.S. Patent No. RE41863 and International Patents Pending) Multi-layer, opposing and interwoven filaments consisting of:

- 0.010" diameter upper filaments for Item No. 10012
- 0.020" diameter lower filaments for Item No. 10012
- 0.020" diameter upper filaments for Item No. 10013
- 0.036" diameter lower filaments for Item No. 10013
- Approximately 34,000 filaments for Item No. 10012
- Approximately 10,000 filaments for Item No. 10013
- 3"/76mm filaments for Item No. 10012
- 6"/152mm filaments for Item No. 10013
- Premium-grade nylon Type 6, ensuring flexibility and self-sealing recovery

Sealing Effectiveness

- Effective bypass airflow sealing in areas undisturbed by cable penetrations at static pressures up to 0.10 inches of water column



- Effective bypass airflow sealing with four ½ inch cables penetrating the Grommet at static pressure required to cool up to 3 kW/cabinet
- Effective bypass airflow sealing with four ½ inch cables penetrating the Grommet at a static pressure of 0.50 inches of water column

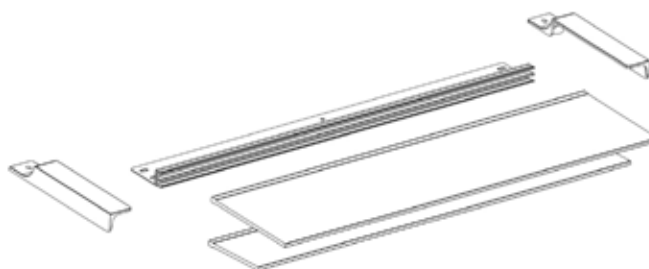
Floor Mounting System

Standard self-tapping screws or custom adhesive mounting kit consisting of:

- Double-sided, pressure sensitive foam with adhesive backing
- All foam components are non-particulating

Other Materials

- Filament holder: anodized aluminum alloy, black finish
- End Caps: PC/ABS, black



The Grommets can be disassembled for custom modification.

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manufactured by

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technologies®

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