KoldLok® Extended Raised Floor Grommets

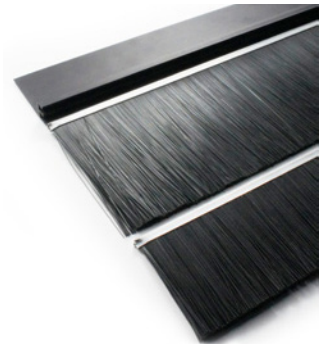

3" Extended
46-4000-10012

6" Extended
46-4000-10013

3" x 60" Extended
46-4000-10097

6" x 60" Extended
46-4000-10098

Application

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 centres, 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 centre cooling.

Features

- Designed to be compatible with both 24 inch and 600mm floor 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).

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 grate.
- Compliance with best practices for all raised floor cooling configuration (Hot and Cold Aisle, Hot Aisle containment, Cold Aisle containment, etc.)

Specifications

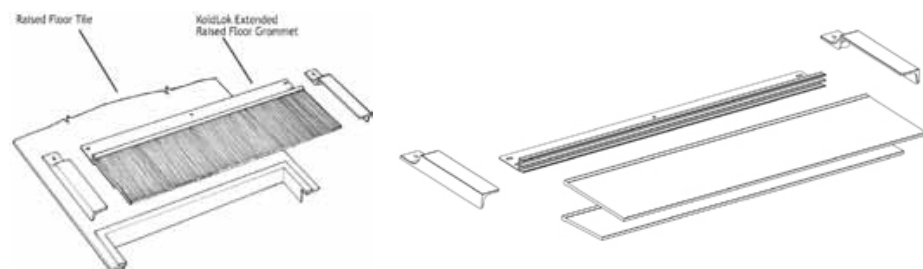| Description	Millimeters	Inches
3" Extended (46-4000-10012) - Overall Size	610 x 128mm	24" x 5.05"
Maximum cutout size sealed	610 x 102mm	24" x 4"
Usable cable area	559 x 64mm	22" x 2.5"
Height above the raised floor	25mm*	1"*
6" Extended (46-4000-10013) - Overall Size	610 x 205mm	24" x 8.08"
Maximum cutout size sealed	610 x 178mm	24" x 7"
Usable cable area	559 x 140mm	22" x 5.5"
Height above the raised floor	25mm*	1"*
3" x 60" Extended (46-4000-10097) - Overall Size	1,524 x 152mm	60" x 5.998"
Maximum cutout size sealed	1,524 x 102mm	60" x 4"
Usable cable area	1,524 x 64mm	60" x 2.5"
Height above the raised floor	25mm**	1"**
6" x 60" Extended (46-4000-10098) - Overall Size	1,524 x 229mm	60" x 9.025"
Maximum cutout size sealed	1,524 x 178mm	60" x 7"
Usable cable area	1,524 x 140mm	60" x 5.5"
Height above the raised floor	25mm**	1"**

* With mounting system installed - ** With adhesive tape installed

Sealing Effectiveness

- Efffective 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 3kW per cabinet.
- Effective bypass airflow sealing with four ½ inch cables penetrating the Grommet at a static pressure of 0.50 inches of water column.

Patented Sealing System

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

Other Materials

- Metal Extrusion filament holder: Anodised aluminium alloy, black finish.
- End Caps: PC/ABS, black. (Provided with 24" / 610mm versions only).

Floor Mounting System

24" / 610mm Grommets come standard with two end caps, double-sided, non-particulating adhesive mounting kit and five self-tapping screws per grommet.

60" / 1,524mm Grommets DO NOT come standard with end caps, adhesive mounting kit or self-tapping screws.

Optional mounting tape or screws are available for custom installations. (Min. order may apply).

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