



KoldLok® Mini Raised Floor Grommet



Application

Designed to seal small cable openings in the raised floor of new or existing computer rooms.

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 - some as small as 6 x 4 inches (152 x 102mm). This lost air, known as bypass airflow, contributes to IT equipment hot spots, cooling unit inefficiencies, and increasing infrastructure costs. KoldLok® products specifically address bypass airflow and its detrimental effects on data centre cooling.

Features

- Smaller size 6" x 4" (152 x 102mm) offers flexibility for data centres that have multiple cable opening sizes.
- Meets smaller cable opening standards specified in new data centre builds.
- Cost-effective method of separating data cabling from power cabling.
- Contains no loose or partially fastened parts that can become separated or fall through the raised floor.
- The grommets are impact-resistant and durable.
- Satisfies NFA 75 Section 5-4.4 requirement by self-dressing the raw metal edges of raised floor tile cable openings.
- 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

- Increases existing cooling unit capacity.
- Reduces the need to purchase additional cooling units.
- Improves equipment reliability and extends equipment life.
- Increases static pressure under the raised floor and improves cool air delivery through perforated tiles and floor grate.
- Facilitates Cold Aisle / Hot Aisle best practices.

Specifications

Description	Millimeters	Inches
Surface overall size (W x D x H)	195 x 144 x 38	7 ¹ / ₁₆ x 5 ¹ / ₁₆ x 1½
Product height above the raised floor	2.54	1/10
Usable cable area	127 x 64	5 x 2½
Minimum cut required to install Grommet in interior of the tile	152 x 102	6 x 4
Minimum cut required to install long side of the Grommet on the tile edge	152 x 127	6 x 5
Minimum cut required to install short side of the Grommet on the tile edge	102 x 178	4 x 7

Patented Sealing System

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

- 0.010 inch diameter.
- Approximately 13,200 filaments per Grommet.
- Premium grade nylon Type 6 ensuring flexibility and self-sealing recovery.
- Ensure passage of 30 amp power connectors.

Grommet Frame

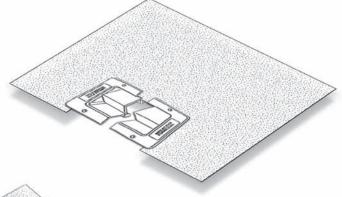
The frame is moulded from durable PC / ABS. Finish: Black.

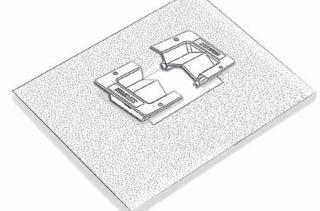
Floor Mounting System

Four (4) self-drilling screws are provided for installation.

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 one inch cable bundle penetrating the Grommet both at the centre and offset.







Ver: EDPKLM1118.1