

KoldLok® Mini Raised Floor Grommet



KoldLok® Mini
46-1000-10077

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 ¹¹ / ₁₆ x 5 ¹¹ / ₁₆ x 1 ¹ / ₂ |
| Product height above the raised floor | 2.54 | 1/ ₁₀ |
| Usable cable area | 127 x 64 | 5 x 2 ¹ / ₂ |
| 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.

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.

Grommet Frame

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

Floor Mounting System

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

