KoldLok® Wave™
Raised Floor Grommet

KoldLok® Wave™
46-20100

KoldLok® Wave™ Safety Cover
46-20101

Application

Designed to seal openings in new raised floor cutouts prior to the installation of communications, power, or other cabling.

In a study done by Upsite Technologies on 19 computer rooms totaling over 204,400 ft², it was found that 60% of valuable cooled air is not reaching the air intakes of IT equipment. The KoldLok® Wave™ was developed to provide the best seal against this wasted bypass airflow.

Features

- Sealing Effectiveness - New, patent pending wave shaped thermoplastic elastomer offers the best sealing against bypass airflow, unsurpassed by any brush grommet on the market.
- Usable Cable Area - Offers 45.5 sq inches of usable cable area, over two and a half times that of a leading brush competitor.
- Maintenance Free - Wave shaped material seals around cables with no additional maintenance or monitoring required.
- Configuation - Split design allows edge cut tiles to be removed without capturing cables.
- Fire Resistant - Thermoplastic elastomer material is rated UL94 HB.
- Longevity - Durable, impact-resistant ABS frame.
- Safety Cover - An optional cover is available to ensure greater safety before rack and cable installation.

Benefits

By sealing cable openings and blocking bypass airflow, the KoldLok® Wave™:

- Increases cooling unit effectiveness.
- Allows for greater IT density in data centres.
- Increases static pressure under the raised floor.
- Improves cool air delivery through perforated tiles and floor grates.
- Decreases humidity control expense.
- Meets a prerequisite for hot aisle / cold aisle best practices and containment strategies.
- Reduces the need to purchase additional cooling units.

Specifications

Description	Millimeters	Inches
Overall size (W x D x H)	279 x 229 x 48	11 x 9 x 1⅞
Overall size with optional safety cover	285 x 233 x 70	11⁷/₃₂ x 9⁵/₃₂ x 2¾
Product height above floor	10	⅜
Product height above floor (with cover)	25	1
Usable cable area	197 x 149	7¾ x 5⅞
Cut required - Interior of the tile	235 x 172	9¼ x 6¾
Cut required - Long side on tile edge	235 x 200	9¼ x 7⅞
Cut required - Short side on tile edge	257 x 172	10⅛ x 6¾

Patented Sealing System

U.S. Patent and International patents pending. The KoldLok® Wave™ design uses thermoplastic elastomer to wrap around penetrators, creating a more effective seal.

Safety Features

- The thermoplastic elastomer material is rated UL94 HB.
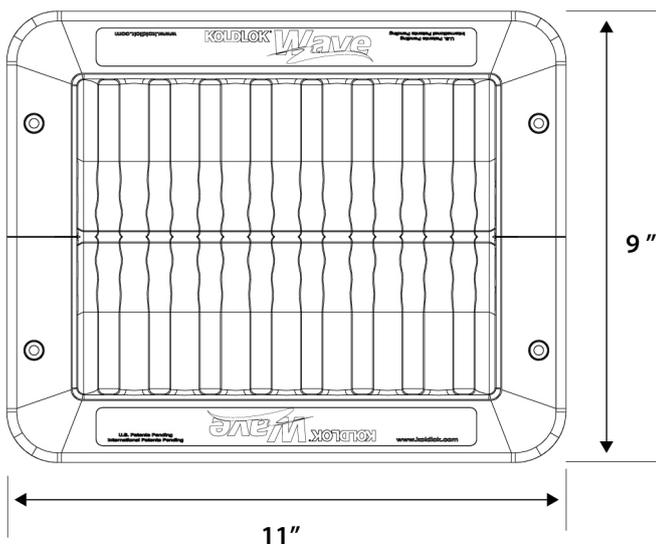- An optional safety cover is available.

Grommet Frame

The frame is molded from durable ABS. Finish: Black.
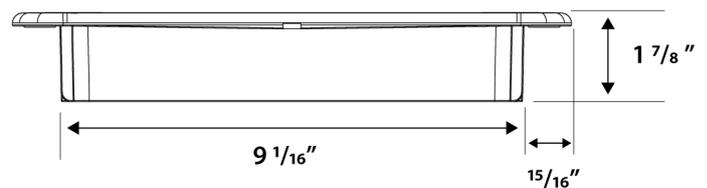
Thermoplastic Elastomer (TPE)

- TPE material is overmolded to frame to create a flexible sealing membrane.
- Tensile Stress (300% Strain, 73°F) -290 psi (ASTM D412).
- Tear Strength 100lbf/in (ASTM D624)
- Colour: Black

Floor Mounting System

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