

Fiche technique – Boitier Occultant Mémoire de forme (Trous calibrés)



Item N° 20100

Applications

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.

Benefits

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

- Increases cooling unit effectiveness
- Allows for greater IT density in data centers
- 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

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.

Configuration - 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.

Dimensions & Tile Cutting Requirements	Inches (W x D x H)	Millimeters (W x D x H)
Overall Size	11 x 9 x 1 7/8	279 x 229 x 48
Overall Size with Optional Safety Cover	11 7/32 x 9 5/16 x 2 3/4	285 x 233 x 70
Product Height Above Floor	3/8	10
Product Height Above Floor (with cover)	1	25
Usable Cable Area	7 3/4 x 5 7/8	197 x 149
Cut Required - interior of the tile	9 1/4 x 6 3/4	235 x 172
Cut Required - long side on tile edge	9 1/4 x 7 7/8	235 x 200
Cut Required - short side on tile edge	10 1/8 x 6 3/4	257 x 172

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

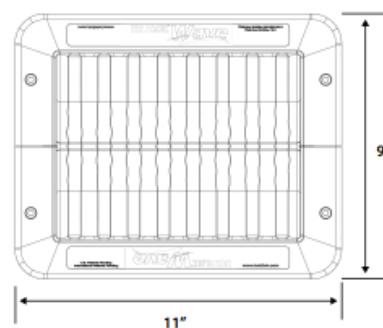
Thermoplastic Elastomer (TPE)

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

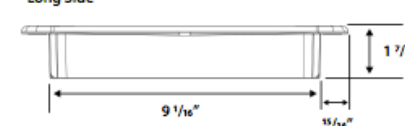
Floor Mounting System

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

Product Drawings



Long Side



Short Side

