AIR|GUARD®
the cool choice.™

Innovator in Data Center Efficiency℠

PDU ⠿ Cables™ | AIR|GUARD® the cool choice.™

AIR**GUARD**® CABLE SEAL PRODUCT LINE

The Air-Guard Cable Seal product line from PDU Cables, manufacturer of prefabricated underfloor power distribution cables, is used to seal access holes required for cable routing through the data center floor.

An immediate "energy-savings" benefit is realized by using the Air-Guard Cable Seal product line. These products significantly minimize cool air loss, while improving the static pressure to cool data center equipment, which helps prevent expensive electrical equipment from overheating.

Advantages of the AIR**GUARD**® Cable Seal product line:

- Provides an exceptional seal around cables for an effective and economical solution towards eliminating bypass air through cable cutouts.

- Reduces air loss in plenum cooled floors and increases under-floor static pressure.

- Improves cooling efficiencies and extends cooling equipment longevity.

- Seals cable openings with an overlapping brush and/or EPDM gasket material to help prevent under-floor contamination.

- Allows flexibility and simplicity in cable routing.

- Flame retardant ABS polycarbonate material provides a finished look on all raised floor panels; the solid construction and the textured surface compliments all floor coverings.

- ABS and Nylon Polymers carry a VO rating per the ANSI/UL94 Standard for "Tests for Flammability of Plastic Material for Parts in Devices and Appliances".

- 2008 NEC code compliant with requirements of Article 645.5 (D)(5).

- RoHS compliant.

- Installation is simple and inexpensive.

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AIR|GUARD® FLUSH MOUNT *THE COOL CHOICE FOR NEW DATA CENTER FLOOR CUTOUTS*

- The Flush Mount is used when making new installations in your data center to maximize energy efficiency.

- Two Air- Guards can be installed together for applications that require large bundles of cables.

- Designed with a removable back-brush feature that allows removal of floor tiles without disconnection of cables. This feature also allows large connectors to pass through the grommet without the need for an over-sized cutout.

- The integrated trim saves time and labor; eliminating the need to cut individual trim fittings.

- Includes mounting hardware and cutout template.

- Dimensions:
    Cutout - center installation - 10.50" X 4.5"
    Cutout - edge installation - 10.50" X 5.25"
    Usable area - 9.0" X 3.0"
    Overall - 13.0" L X 6.25" W

- Part Number: 116-800-001.

AIR|GUARD® SAFETY COVER *THE COOL CHOICE FOR SAFTEY*

- The optional Safety Cover fits over the Flush Mount to provide a solid surface for increased durability and safety when cables are not going through the floor.

- OSHA may require the Safety Cover on construction sites.

- Allows for easy maneuver of equipment over floor cutouts.
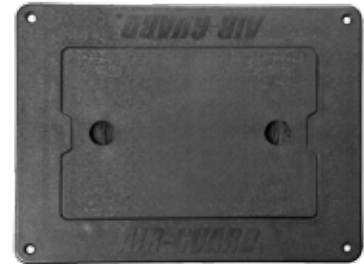
- Dimensions: 4.0" X 10.0"

- Part Number: 116-800-002.

AIR|GUARD® Flush Mount with Safety Cover

AIR|GUARD® EXTREME *THE COOL CHOICE FOR THE BEST SEAL WITH CABLE MOVEMENT FLEXIBILITY*

- The Air-Guard Extreme is a heavy duty unit with a two stage, integrated sealing system, EPDM gasket material (UL94 HF-1 rated) and standard Air-Guard brush technology, to provide the most effective air seal.

- Heavy duty, integrated Safety Cover comes as a standard component. This feature allows installation of the grommet during the construction phase and eliminates the risk of injury by someone stepping through the grommet opening.

- OSHA jobsite statutes require open holes in floor panels to be covered. The cover may remain in place until cabling systems are installed and may be saved for future use.

- Easy to install and integrates with the access floor static dissipative system.

- Dimensions:
  Cutout - 9.0" X 6.25"
  Usable area - 7.25" X 4.75"
  Overall - 11.0" L X 8.25" W

- Part Number: 116-800-015.

AIR|GUARD Extreme Bottom, showing gasket material

AIR|GUARD Extreme with Safety Cover

AIR|GUARD® BRAT *THE COOL CHOICE FOR THE BEST SMALL HOLE SEAL WITH FLEXIBILITY*

- Designed as a compact, integrated two stage sealing solution.

  Removable back brush allows panel removal without "trapping" cables.

- The integrated trim saves time and labor; eliminating the need to cut individual trim fittings.

- Includes mounting hardware and cutout template.

- Dimensions:
  Usable - 3.3" x 3.2"
  Cutout - center installation - 4.5" X 4.5"
  Flange to flange - 6.9" X 6.4"

- Part Number: 116-800-030.

EPDM Gasket Material

Brush Technology

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AIR|GUARD® SURFACE MOUNT *THE COOL CHOICE FOR RETROFIT-SEALING ODD SHAPES/SIZES*

- Use the Surface Mount to cover existing floor cutouts for ease in cooling management in an established data center.

- This two piece assembly is designed to retro-fit around existing cables without the need to disconnect cables.

- Includes mounting hardware and adhesive application option.

- Dimensions:
    Brush coverage - 8.0" X 8.0"
    Usable area - 6.5" X 6.5"
    Overall - 10.0" L X 10.0" W

- Part Number: 116-800-003.

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AIR|GUARD® AIR ADAPT *THE COOL CHOICE FOR RETROFIT-SEALING LARGE ODD SHAPES/SIZES*

- Accessory to the Air-Guard Surface Mount - 116-800-003.

- Will allow installations over cut outs of 12.5" x 12.5" max.

- Adhesive application allows for quick and easy installation.

- Dimensions:
    Overall - 14" L X 14" W

- Part Number: 116-800-025.

Application: AIR|GUARD Adapt
with Surface Mount

AIR|GUARD® BRUSH KITS *THE COOL CHOICE FOR ONSITE CUSTOM FLOOR CUTOUT SEALING*

⠿ The Air-Guard Brush Kits are designed to seal odd size cutouts using brush technology.

⠿ Modify the Brush Kit, as required in the field, to fit custom floor cutout sizes.

⠿ Easy to install with factory applied adhesive strips.

⠿ Applications include new cutouts or existing cutouts with cables.

⠿ Engineered side rail clips provide cable protection as required by code (NFPA 75, Section S-4.4).

AIR|GUARD® FLUSH MOUNT BRUSH KIT

⠿ The Flush Mount Brush Kit contains two brush pieces and four side rail clips.

⠿ Use the Flush Mount Brush Kit to seal access floor holes that require custom size installation.

⠿ 12" Flush Mount Brush Kit -
  Dimensions: 12.0" X 9.0"
  Part Number: 116-800-020.

⠿ 24" Flush Mount Brush Kit -
  Dimensions: 24.0" X 9.0"
  Part Number: 116-800-022.

AIR|GUARD Flush Mount, showing components

AIR|GUARD® SURFACE MOUNT BRUSH KIT

⠿ The Surface Mount Brush Kit contains one brush piece and two side rail clips.

⠿ Seal holes against the perimeter/wall, with no need to cut floor panels, or mount over odd shape and size access floor cutouts.

⠿ Surface Mount Brush Kit -
  Dimensions: 23.75" X 6.5"
  Usable: 20.75" X 4.75"
  Part Number: 116-800-100.

AIR|GUARD Surface Mount,
showing components

Application: Install two AIR|GUARD Surface Mount Brush Kits together to seal large access holes.

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- The Air-Guard Air-Block product line is a patent pending, two piece floor grommet line made with integrated EPDM gasket material for sealing around cables going through access flooring.

- Mechanically locks into a hole in the access floor panel via toggle screws located on the top surface of the grommet.

- Exposed screws are finished with a plug cap that matches the grommet surface.

- Grommet splits into two sections for easy installation, making installation quick and easy; no fishing cables through the grommet.

- Engineered Safety Cover is designed to eliminate jobsite safety issues and protect cable and gasket area when the grommet is not in use.

- Includes mounting hardware and installation instructions.

- 6" Air-Block -
  Dimensions: 6.0" diameter hole.
  Knock-outs: (2) 1/2" AND (2) 3/4"
  Part Number: 116-800-010.

- 3.5" Air-Block -
  Dimensions: 3.5" diameter hole.
  Knock-out: (1) 1/2" (expandable to 3/4")
  Part Number: 116-800-040.

6" Air-Block

3.5" Air-Block

- Square Air-Block -
  Dimensions: 4.875" X 4.875"
  Knock-out: (2) 1/2" (expandable to 3/4")
  Part Number: 116-800-080

- Rectangular Air-Block -
  Dimensions: 8.875" X 5.375"
  Knock-out: (5) 1/2" (expandable to 3/4")
  Part Number: 116-800-070

Rectangular Air-Block

Square Air-Block

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