

KOLDLOK® Technical Specifications:

KoldLok Round 4"



Item No.40001
KoldLok Round 4"



Applications

Designed to seal openings in new and existing raised floor cutouts to block bypass airflow and maximize cooling system efficiency.

Benefits

KoldLok Round is the premium choice for your facility. Its revolutionary sealing technology greatly reduces costly bypass airflow, increasing useable cooling unit capacity, and ensuring maximized efficiency from HVAC equipment.

- Supports increasing cabinet density
- Increases existing cooling unit capacity
- Reduces the need to purchase additional cooling units
- Improves IT equipment reliability and extends equipment life
- Increases static pressure under the raised floor
- Improves volume of conditioned air delivery through perforated tiles and floor grates
- Compliance with best practices for all raised floor cooling configurations (Hot and Cold Aisle, Hot Aisle Containment, Cold Aisle Containment)

Features

- The Split feature of the KoldLok Round 4" allows product installation or removal without disturbing cables.
- The Grommets contain no loose or partially fastened parts, which can become separated or fall through the raised floor.
- The Grommets are impact resistant and durable.
- HBT Membrane Layer
- The Grommets satisfy NFPA 75 Section 5-4.4 requirement by self-dressing the raw metal edges of raised-floor tile cable cutouts.
- 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 Electric Equipment (RoHS).
- Membrane support structure
- Tapered joining structure

Superior Sealing: New, patented Hybrid Brush Technology (HBT) offers exceptional sealing and airflow management, unsurpassed by other leading brush products on the market today.

Maintenance Free: Hybrid Brush Sealing Technology automatically seals around cables with no additional maintenance or monitoring required.

Easy Installation: Simple, installation saves time and labor and requires no downtime. Round grommets enable hole saw installation which reduces cutting time by over 50%.

Longevity: Durable ABS frame and Hybrid Brush sealing surface can be used for years.

Size

Dimensions and Tile Cutting Requirements	I-P	Metric
Overall Size (diameter x height)	5.61" x 1.90"	143mm x 48mm
Product Height Above Floor	.40"	10mm
Useable Penetration Area	9.6sq in.	6194sq mm
Hole Cut Diameter	4.0"	102mm

Patented Sealing System

U.S. and International patented Hybrid Brush Technology (HBT) design using thermoplastic elastomer creating a more effective seal than any other grommet. Tear lines minimize leakage in unused areas of the grommet when only a small number of penetrants are being used.

Sealing Effectiveness

Patented design is a more effective method of sealing air flow than using brushes or filament materials alone. The best sealing round grommet available. Test data listed below.

Safety

ABS frame material is fire rated UL94 HB.

Grommet Frame

- The frame is molded from durable ABS
- Finish: Black

Hybrid Brush Technology (HBT)

HBT is uniquely constructed to offer:

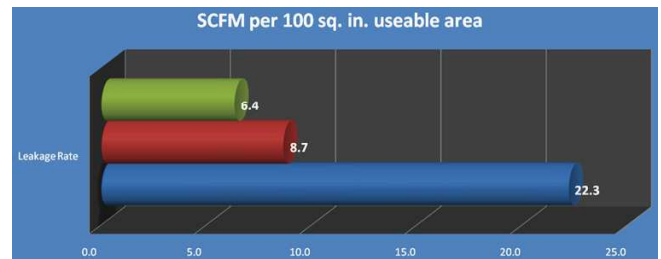
- Flexible and highly efficient sealing membrane
- Multi-layered construction for increased sealing effectiveness
- Color: Black

Floor Mounting System

Four (4) self-tapping screws are provided for quick no-drilling installation.

SCFM/100 sq in usable @ .05" W.C. Static	No Penetration	DCB (center)	DCB (side)	PC (center)	PC (side)	Test Average
KoldLok 4" Round	4.6	5.4	11.8	0.1	10	6.4
Competitor 2	2.7	6.2	15.7	4.7	14.2	8.7
Competitor 1	3	26	33.7	16.6	32	22.3

*PC - 9/16" Data Cable Bundle
*DCB - 32 Data Cable Bundle



Product Drawings

