Wiring Solutions for All Your Needs...

Rigid and Flexible Wire Ducts

Wire ducts provide an easy, efficient and safe way to organize wires and cables routed inside an electrical enclosure or cabinet. Our wiring ducts are available with rigid walls with narrow or wide fingers that can be removed to allow larger size cables or wire bundles to fit easily. We also offer a flexible version that bends as needed and allows effortless wire runs through the duct.

Iboco and AchieVe series wire ducts are rugged UL recognized products made of a UL94V-0 flammability rated PVC material.

Flexible Wire Ducts

Wide Finger Slotted Rigid Wall

• Includes non-slip cover
• Wide finger design provides greater rigidity and larger slot width design
• Rounded, bump-free edges prevent hand or insulation damage
• Flush cover design holds up to 12% more wires
• Two break lines allow removal of sidewall finger segments or finger and base segments
• Patented recessed boss allows rapid component mounting
• Sold in 1m and 2m lengths and in various width and height combinations
• Colors: Standard gray or white colors, and also available in a black color that complements telecom racks and hardware, or an intrinsic blue color per ISA-RD12.6 specifications

Narrow Finger Slotted Rigid Wall

• Same features as T1 series but with narrow finger design for compact wiring configurations
• Available in white or gray color
• Restricted slot design retains wires in slot for fast, easy wire installation or removal
• Sold in 2-meter lengths complete with cover
• Various sizes to fit panel needs
• Snap-in features on bottom of duct enables easy accessory mounting

Wide Finger Slotted Rigid Wall with Self-Adhesive

• Same features as T1 series but with added convenience of a self adhesive tape that helps reduce installation time by holding position while installer secures the wire duct. Foam adhesive conveniently allows repositioning of the wire duct for precision and optimized final installation
• Sold in 2m lengths in gray color only

I Flex Tubing

I-Flex liquid-tight flexible electrical tubing and connectors house and protect wiring and cables, providing simple and fast installation. Available in a range of diameters, flexible non-metallic tubing is ideal for tight, non-linear wiring runs, including where liquid or ultraviolet resistance is required.

- Flexible for fast installations
- Excellent for areas with tight quarters, movement, vibration, or flexing issues
- Available in light gray or black

Tubing, Conduit, and Connectors

Electrical tubing and conduit provide routing channels for electrical wires and excellent protection from abrasion, sunlight, mild acids, alkaline, and oils. Liquid-tight conduits and tubing are especially useful to provide complete moisture protection when installations require several bends and turns.

Electri-Flex Non-Metallic Conduit

I-Flex liquid-tight flexible electrical conduits are constructed with a spiral of rigid PVC reinforcement within the conduit wall.

- Type NM: Liquid-tight non-metallic conduit that provides excellent wire protection
- Contains 1000V and lower circuits
- Outdoor, direct burial or in poured concrete use
- Use with standard metallic or non-metallic liquid-tight connectors
- Approved for hazardous location (Class I Div 2, Class II Div 1, Class III Div 1)
- Ideal for wiring to motors; lighting; electrical signs; elevators; pools / fountains; enclosure connections; other miscellaneous building wiring

Electri-Flex Metallic Conduit

I-Flex Liquitote metallic flexible liquid-tight electrical conduit is constructed with a spiral strip of corrosion-resistant, hot-dipped galvanized steel within the conduit wall.

- Provides same features as non-metallic Type NM conduit
- Type LA: Offers outstanding protection against wet and oily environments, and exposed or concealed locations
- Type ATL A: Designed for extreme environments; remains flexible at low temperatures; flame retardant; resists aging at elevated temperatures
- Type SLA: Designed for wiring applications requiring protection from electromagnetic and radio frequency interference

Electri-Flex Liquid Tight Conduit

I-Flex liquid-tight straight and right angle (90º) non-metallic Polypropylene connectors are designed for use with I-Flex tubing to provide leak-proof integrity for motor, processing equipment, pumps, and many other installations.

- Quick re-entry for cable repair or rerouting
- Seal gaskets included with each connector pack
- Corrosion, solvent, grease, oil, alcohol, gasoline, and saltwater resistant
- Available in light gray or black

Electrical Tubing and Conduit provide routing channels for electrical wires and excellent protection from abrasion, sunlight, mild acids, alkaline, and oils. Liquid-tight conduits and tubing are especially useful to provide complete moisture protection when installations require several bends and turns.

...From Your One-Stop Automation Superstore

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Cable glands, commonly known as cable connectors or fittings, are designed to attach and secure a cable to electrical equipment or at an enclosure entry point. Cable glands provide strain relief and typically seal out dust, dirt and even liquids.

**Standard and Protection Series Plastic Cable Glands**

<table>
<thead>
<tr>
<th>Material</th>
<th>Brass Cable Glands</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Body: Brass nickle-plated</td>
<td>- Body: Brass nickle-plated</td>
</tr>
<tr>
<td>- Cap: Brass nickle-plated</td>
<td>- Cap: Brass nickle-plated</td>
</tr>
<tr>
<td>- Seal: CR (Chloroprene Rubber)</td>
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</tr>
<tr>
<td>- Clamp Insert: PA 6 (Polyamide 6)</td>
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</tr>
<tr>
<td>- O-ring: NBR</td>
<td>- O-ring: NBR</td>
</tr>
</tbody>
</table>

**Protection Class**

- IP68 - 5 Bar (72.5 psi)

**Attachment Threads**

- Available in Metric, PG, or NPT threads

**Hygienic Cable Glands**

Hygienic cable glands have a smooth finish with no threads exposed, preventing harmful micro-organisms from sticking to the surface. The sealing material is in accordance with FDA guideline 21 CFR 177.2600. The design allows for easier, faster, and lower-cost cleaning.

**Material**

- Body: Stainless Steel
- Cap: Stainless Steel
- Locknut: Stainless Steel
- Contact Spring: Special copper alloy (EMC version only)
- Seal: EPDM, according to FDA guideline 21 CFR 177.2600

**Protection Class**

- IP68, IP69, IP68 - 5 Bar (72.5 psi)

**Attachment Threads**

- Available in Metric, PG, or NPT threads

**Also Available:**

- Hygienic Cable Gland Adapters: These adapters allow the use of a smaller Allen wrench when installing the hygienic cable gland.

Cable glands are also available for specialized applications such as control of EMC noise and in hygienic conditions like those required for food, beverage and pharmaceutical industries.

**EMC Cable Glands**

EMC cable glands maintain the shielding integrity from the shielded cable to the enclosure simply by tightening the gland. Long-lasting contact is achieved using a high-definition spring designed to move to prevent damage to the sheath.

**Material**

- Body: Brass nickle-plated
- Cap: Brass nickle-plated
- Seal: CR (Chloroprene Rubber)
- Clamp Insert: PA 6 (Polyamide 6)
- Contact Spring: Special copper alloy
- O-ring: NBR

**Protection Class**

- IP68 - 5 Bar (72.5 psi)

**Attachment Threads**

- Available in Metric, PG, or NPT threads
BPA Series Cable Entry Plates

BPA series cable entry plates allow cables to be installed through an enclosure or other bulkhead surfaces, with the added benefit that pre-made, terminated cables can be installed without disassembling the connectors. The BPA series is a one-piece frame system that allows quick and simple installation of up to 10 cables in a single frame. The grommets are pyramidal with conical outer surface. These shapes ensure high strain relief when they are compressed into their conical seats. The robust multi-part frame design provides better mechanical stability and a high degree of environmental protection.

- Uninterrupted cable guidance
- Easy assembly
- Integrated strain relief
- IP66, UL Type 12, 13, KX protection
- 2-year warranty

Split Frames

The split frame is a multi-part system that clamps together with a grommet block and grommets to provide a high-density cable entry point for up to 10 cables. The grommet block is included with each frame.

Grommets

BPA series grommets are perfect for round cables. The small version accepts cable diameters between 0.138 to 0.61 inches (3.5 to 15.5mm). The large version accepts cable diameters between 0.61 to 1.161 inches (15.5 to 29.5 mm).

BRM Series Cable Entry Systems

The BRM series cable entry systems allow non-terminated cables to be installed through an enclosure or other bulkhead surfaces, allowing a high density of cables to pass through a small area. The BRM series is a one-piece system that enables quick and simple installation of up to 29 cables in a single frame. The ultra-flexible entrance membrane ensures ingress protection for a large range of cable diameters.

- Available in 1 frame size
- Quick and easy to install
- Bolt-in or snap-in mounting
- Integrated strain relief
- Fits standard cut-out dimensions
- IP65, UL Type 12,13, KX protection
- Operating temperature: -60 to 176°F (-60 to 80°C)
- 2-year warranty

Frames

BRM series frames are one-piece systems that allow non-terminated cables to be installed through an enclosure or other bulkhead surfaces, allowing a high density of cables to pass through a small area. A special back sealing design ensures “close fit” even if a cable is removed. This unique feature allows a cable to be inserted and removed as needed.

- Matching grommets: BPA series
- Operating temperatures: -60 to 176°F (-60 to 80°C)
- 2-year warranty

Bolt-In Snap-In

Note: Mounting Hardware not included.

Two Ways to Mount

KDL/D and KDL/D Mono Series

The KDL/D series is a split-frame system that enables the quick and simple installation of up to 48 pre-made and/or terminated cables in a single frame. The KDL/D MONO series is a round split-frame version that allows up to 8 cables in a single frame.

- Available in 1 frame size
- Uninterrupted cable guidance
- Easy assembly
- Integrated strain relief
- Matching grommets: KDT/X
- Fits standard cut-out dimensions
- 2-year warranty

KDL/H-V/A-GF Series

This is a split-frame system that enables the quick and simple installation of up to 12 pre-made and/or terminated cables in a single frame. The frames are made of stainless steel and the grommets and grommet blocks are made of TPE, making them FDA compliant cable entry systems.

- 2-piece or 3-piece frames
- Easy assembly
- Integrated strain relief
- Halogen free
- Suitable for standard cutouts for 24 pin and 16-pin industrial connectors
- High protection class IP65K
- 2-year warranty

KDP/X and KDP/R Series

The KDP/X series is a one-piece frame system that can be used with standard cutouts and mounted with an improved tool-free clip-in mounting or screw mounting option. The KDP/R series allows quick and simple installation of up to 29 non-terminated cables in a single frame. The KDP/R is a round version that allows up to 46 cables in a single frame.

- Available in 2 frame sizes
- Integrated strain relief
- Fits standard cut-out dimensions
- 2-year warranty

KDP Series FDA Cable Quick®

This one-piece frame is made of stainless steel and includes an FDA compliant TPE elastomer specially modified for Murrplastik to enable the use for food, beverage and pharmaceutical industries. This series allows quick and simple installation of up to 56 non-terminated cables in a single frame.

- High stability
- Halogen free
- FDA compliant per FDA 21 CFR
- High protection class IP65
- ECOLAB Certified
- 2-year warranty

One-piece frames have one instead of two elastomer plates and are a great alternative to cable fittings when having a large number of cables and space is an issue. Also available in stainless steel FDA compliant with IP69K rating.

2L strain relief plate may be used wherever strain relief for cables, conduits, cords, or wires is required or for routing in a secure, easy and cost-effective way.

KAF series strain relief plates may be used wherever strain relief or routing for cables, cords, wires or hoses is required.

Bolt-In Snap-In

Note: Mounting Hardware not included.