

# Cable entry and cable holding systems

## Solutions for cable applications



# Overview

For years, Murrplastik Systemtechnik GmbH has offered cable entry systems, cable entry panel systems, strain relief plates and cable holding systems. Right from the beginning emphasis was given to a systematic approach. The priority has always been to design products that offer definite application advantages to the customer.

The KDL cable entry system has been developed to make it much easier for end customers to route pre-assembled cables e.g. measurement, servo cables, computer cables and bus systems. Special emphasis was placed during the design stage on making processing especially easy for the user.

## KDL – Cable entry system for plugs

The cable entry system is designed for inserting pre-assembled cables and electrical conduits in divider walls, junction boxes, control cabinets...

### Application:

interior use, driver's cabs, in control cabinet, facility or machine construction.

In all places where pre-assembled conduits must be routed.



## KDP – Cable insertion panel for cables

The cable insertion panel is a routing and fastening system for cables without plugs and pneumatic hoses.

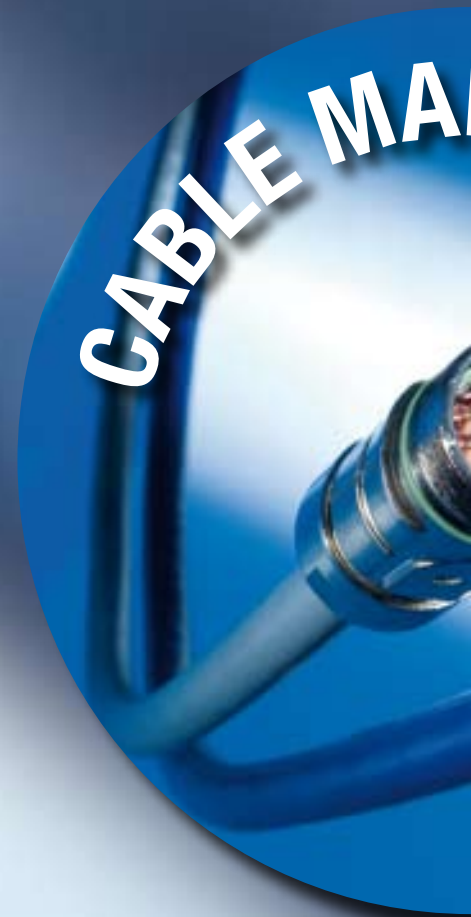
### Application:

interior use, driver's cabs, in control cabinet, facility or machine construction.

In all places where high packing density is required that is gentle on cables.



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The KDL product range thereby serves the need for a simple and trouble free application. The potential for strain relief and discharge of sheath currents has also been integrated into the cable fixing plate.

A further innovation is the KDP cable entry range, which offers a real alternative to cable fittings.

The KDP boasts enormous savings potential through rapid installation. A lower footprint and user-friendly assembly are two of the major advantages that this product offers. However, these are just some of the outstanding innovations from Murrplastik Systemtechnik GmbH.



## ZL – strain relief

The strain relief plate is used wherever cables, single wires or hoses must be securely and easily relieved.

- Wide variety of types
- Easy assembly
- In plastic or metal
- Stacking



## Useful tool – for all cable tasks

An extensive program of accessories (lock nuts, reducing bushings, various fasteners, cable ties...) allow broad implementation options for various applications.



# KDL Cable entry systems for cables with plugs

## Cable entry system

Cable entry system for one cable and/or insertion of pre-terminated cables. Cables with plugs can be easily inserted into enclosures. Various systems are available for selection.

## Assembly



1. Close the split grommet around the cable.



2. Then strain-relieve with a cable tie. Applicable for cable diameters of 3 to 32 mm.



3. Insert the grommet with pre-assembled cable into the KDL/E. Up to 10 cables can be inserted. With double grommets up to 20 cables.



4. Insert the assembly hooks into the standard plug cutout (e.g. Harting, Wieland...).



5. Connect the KDL/E to the click system. Alternatively affix with 4 screws.

## Advantages

- Cable infeed without interruption
- Easy assembly
- Strain relief
- EMC solutions
- High protection class IP 54
- High packing density
- Manufacturer's cable and plug system guarantee remains valid
- Standard cut-out dimensions (Plug connectors from Harting, Wieland...)
- Optional labeling
- UR
- CSA

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## MANAGEMENT



### KDL/E

The KDL/E reflects continuing development of the KDL in its 3rd generation. Pre-fabricated conduits can be inserted even more simply and quickly, e.g. into enclosures. Quicker assembly with increased capacity.

### KDL

The KDL is a two-part plate that serves to insert pre-fabricated conduits. Cables and plug can be simply inserted into enclosures.

### KDL/S

The KDL/S is a custom cable entry system. It is manufactured to meet the customer's specifications. Various conduit shapes can be inserted using this plate.

### KDL/EMV

The KDL/EMV is a metallized cable entry system. Pre-fabricated conduits can be inserted simply into enclosures. At the same time, sheath currents can also be discharged using this plate.

### KDL/Accessories

Blanking plates, adapter plates and discharge plates round out the delivery program.

# KDP cable insertions for cables without plugs

The cable entry panel is an entry and fastening system for cables and pneumatic hoses such as those used in control cabinets, or plant or machine construction. Cable entry systems are the ideal option any time quick, easy and cable-protecting assembly with high packing-density is required. A real alternative to cable fittings. Various systems are available for selection.

## Assembly



1. Click the KDP into a standard cut-out.



2. The KDP can also be screwed on if necessary.




3. Simply push the cables without plug through the pre-punched rubber and pull through to the required length. Strain relief is provided by pulling back the cable.



## Advantages

- Enormous time savings in assembly
- Extremely low space requirement
- High packing density
- Assembly without tools
- High protection class IP 65
- No kinks in cables and tubes
- Standard cut-out dimensions
- Optional labeling
- UR
- CSA



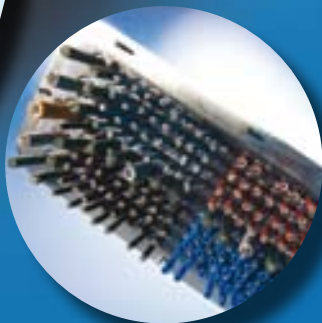
 **KDP plastic rectangular**

Rectangular plastic cable panels for screwing in or snapping in using integrated catch hooks. With pre-punched and resealable holes. A real alternative to cable fittings.



 **KDP/R Plastic round**

Round plastic cable panels with metric threads for screwing in or snapping in using integrated catch hooks. With pre-punched and resealable holes. A real alternative to cable fittings.



 **KDP metal**

Rectangular cable entry system made of aluminium and stainless steel for screwing in. With pre-punched and resealable holes. A real alternative to cable fittings.



 **KDP bus enclosure**

Complete plastic bus enclosure with transparent top. Integrated cable entry panel and mounting rail.

# ZL Cable strain relief

Strain relief and organization of cables-quickly, simply, safely. A large selection of strain relief plates covers a variety of potential uses. Various types are available for screw on, snapping in or sliding in. Whether in plastic or metal versions, or as EMC solutions, anything is possible. The conduits are simply affixed to the strain relief using standard cable ties.

## Assembly



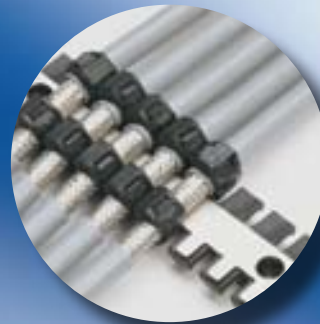
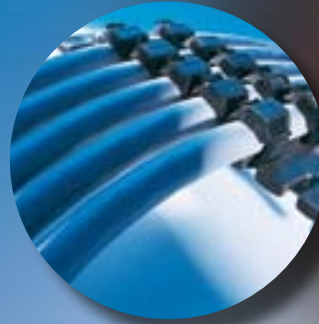
1. Position cable on the plate.



2. Affix cable to plate using cable ties.



3. Safe and gentle strain relief for the cable.



## Advantages

- Simple
- Cost-effective
- Wide variety of types
- Quick assembly
- High tensile forces
- EMC variants
- Stacking






 **ZL snap on**


Strain relief plates with different clip mechanisms. Can be clipped onto various C-rail and top hat profile rails.



 **ZL screw**


Plastic or metal strain relief plate for screwing on.



 **ZL EMC**

EMC solutions made easy. Different options for discharge of sheath currents.



 **ZL accessory**

Accessories round out the strain relief program.

# Accessories

## Useful tools

A large assortment of accessories rounds out the delivery program.

From aids to punching tools and cable fittings or small parts, we can deliver anything.

### Punching tools

Punching tool for punching of metals, e.g. control cabinets.

The most varied of cut-outs in differing sizes can be simply, quickly and precisely produced with our punching tools.

### Tools

Tools that you need for your workshop and production halls.

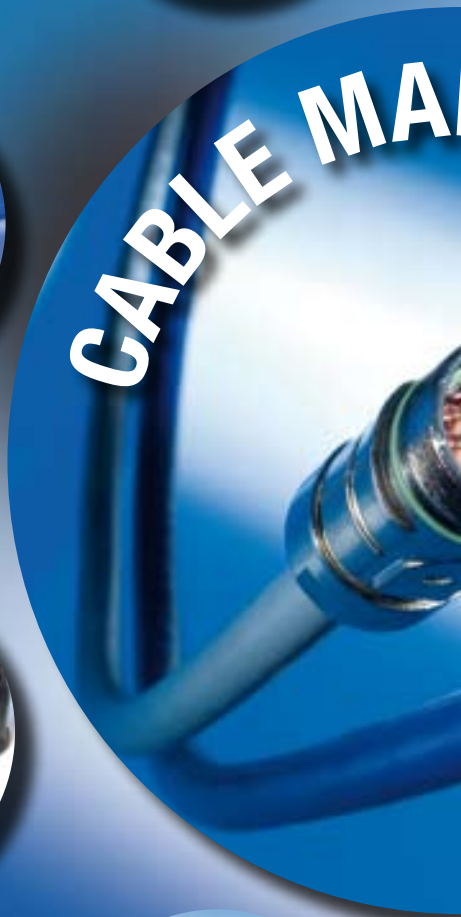
To make work easier and increase productivity and quality.

### Various accessories

A comprehensive range of accessories is available, including lock nuts, reducing bushings, various fasteners, cable ties, etc. Different materials, thread types and thread sizes ensure a wide range of uses for many applications.

### Cable fittings

Traditional cable fittings are required in all installations. Known for excellent strain relief even while providing higher protection class. They are available in a wide variety of models, such as plastic or metal. Other types are also available for EMC applications or in areas at risk of explosion. Multi-inserts add more capacity.



The demands on our products are increasing in complexity and sophistication. The demand for flexibility, economy and knowledgeable consulting are greater than ever. Murrplastik makes plastic into technology, manufacturing products covering all the aspects of cabling required in mechanical and plant engineering.

MANAGEMENT

## Cable drag chain systems

Murrplastik's glass-fiber reinforced plastic drag chains are used wherever cables and conduits of different sizes and types need to be guided flexibly and linearly. That includes applications like robots, cranes, conveyor and facility systems, vehicle engineering, etc.

## Labeling systems

Murrplastik is the world's leading manufacturer of manual and computer-controlled labeling. You can use plotters, engraving machines, printers and lasers in combination with our labeling software to create individualized labels. All labeling systems stand out for their high quality, durability and versatility, allowing you to produce labels at any time. We offer labeling as a special service.

## Conduit and fitting systems

Health and safety are the number one priority when it comes to cable drag chains. Cable protection conduits and fittings keep external influences such as oil, dirt, water and chips safely away from cables. We always focus on the benefits for the user and the systematic approach. Our product range offers an absolutely compatible selection of various screwed fittings, distributors and holders for every conduit size. All SUV systems can be assembled immediately without any additional parts, which shows just how easy and convenient they are to use.

Murrplastik is a one-stop-shop for all your requirements, saving you time and money by supplying perfectly compatible products.

We supply our customers all over the world, taking pleasure in being innovative, supplying high product quality and delivering great benefits for the user and intelligent system solutions.

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