

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 priority was given to a systematic approach. The priority has always been to design products which 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.

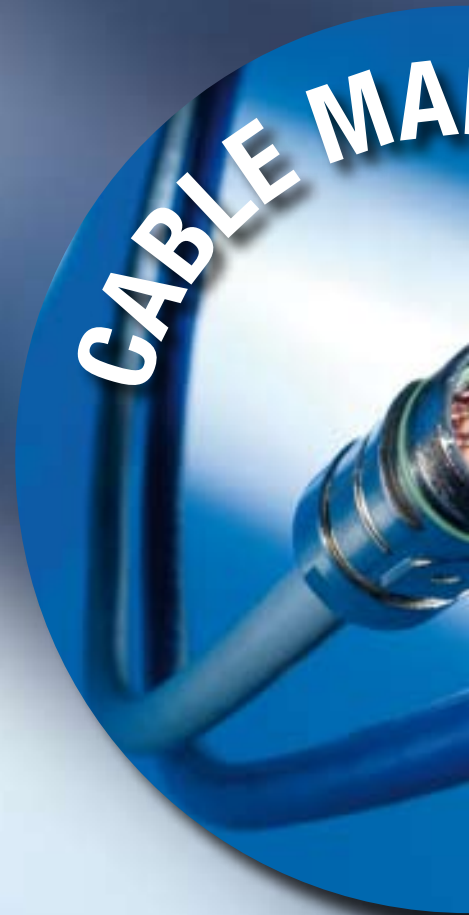
Application:

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.



CABLE MA



The KDL product range thereby serves the need for a simple and trouble free applications. 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 smaller 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 programme of accessories (lock nuts, reducing bushes, 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 conduit and/or insertion of pre-fabricated conduits. 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.



CABLE MAN

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 labelling
- UR approved
- CSA approved





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 plugs 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 metallised 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 programme.

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.



CABLE MAN



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 labelling
- UR approved
- CSA approved



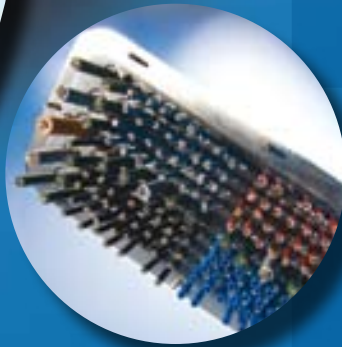
 **KDP plastic rectangular**

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 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 organisation of conduits--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



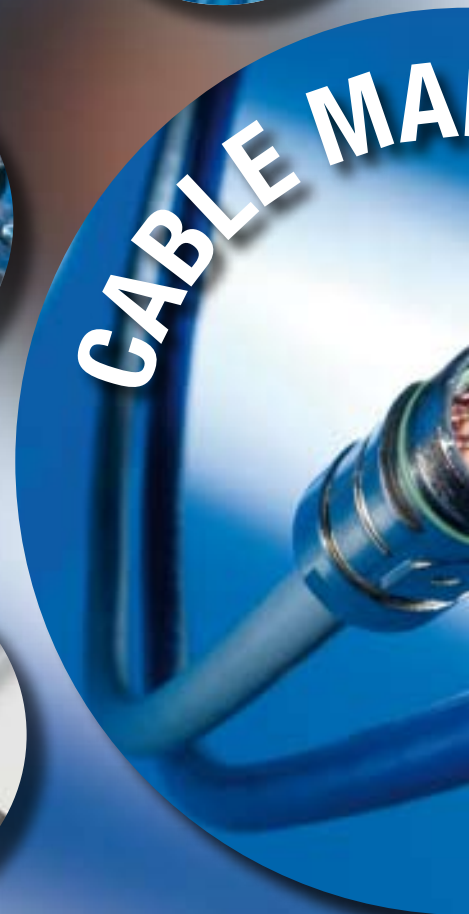
1. Position cable on the plate.



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 click**


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 programme.

Accessories

Useful tools

A large assortment of accessories rounds out the delivery programme. From aids to punching tools and cable fittings on to 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

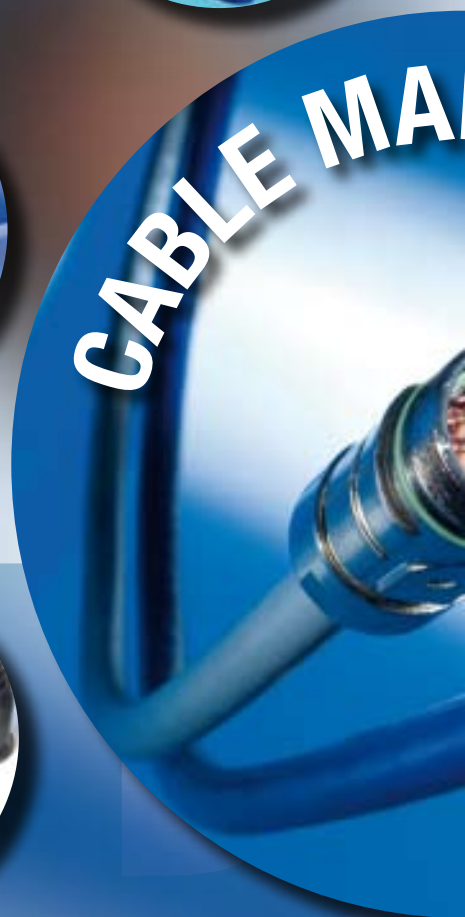
Tools that you need for your workshop and production halls. To make work easier and increase productivity and quality.

Various accessories

A comprehensive range of accessories is available, including lock nuts, reducing bushes, 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 available for EMC applications or in areas at risk of explosion. Multi-inserts add more capacity.



Additional solutions for cable systems

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.



Cable drag chain systems

Murrplastik's glass-fibre 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.



Labelling systems

Murrplastik is the world's leading manufacturer of manual and computer-controlled labelling. You can use plotters, engraving machines, printers and lasers in combination with our labelling software to create individualised labels. All labelling system stand out for their high quality, durability and versatility: allowing you to produce labels at any time afterwards as well. We offer labelling 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 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, delivering great benefits for the user and intelligent system solutions.

Head Office

Germany

Murrplastik Systemtechnik GmbH
Postfach 1143
D-71567 Oppenweiler
Phone: +49 7191 4820
Fax: +49 7191 482 280
www.murrplastik.de
info@murrplastik.de

Switzerland

Murrplastik AG
Ratihard 40
8253 Willisdorf
Phone: +41 52 646 06 46
Fax: +41 52 646 06 40
www.murrplastik.ch
info@murrplastik.ch

France

Murrtechnic S.à.r.l
Zone industrielle Sud, 6 rue Manurhin
B.P. 62, 68120 Richwiller
Phone: +33,389,570,010
Fax: +33,389,530,966
www.murrtechnic.eu
murrtechnic@murrtechnic.fr

Austria

Murrplastik Systemtechnik GmbH
Phone: +43 732 660 870
Fax: +43 732 660 872
www.murrplastik.at
info@murrplastik.at

Spain

Murrplastik S.L.
Paseo Ubarburu, 76
Pabellón 34, polígono 27
20014 San Sebastián
Phone +34 943 444 837
Fax +34 943 472 895
www.murrplastik.es
info@murrplastik.es

USA

Murrplastik Systems Inc.
2367 North Penn Road
Suite 200
Hatfield, PA 19440
Phone: +1 215 822 7625
Fax: +1 215 822 7626
www.murrplastik.com
cablemgmt@murrplastik.com

China

Murrplastik Asia Co., Ltd.
1802 Rm. No. 218
Hengfeng Rd.
200070 Shanghai
Phone +86 21 512 869 25
Fax +86 21 512 869 29
www.murrplastik.com.cn
info@murrplastik.com.cn

Italy

Murrplastik Italia S.r.L.
Via Circo, 18
20123 Milano
Phone+39 02 856 805 70
Fax +39 02 805 034 69
info@murrplastik.it
www.murrplastik.it

