Simply Smart Systems

Energy Industry

cable entry system
KDL/E+

murrplastik®
Simply Smart Systems

Industry-focused Future-proof Customized

Manufacturing is the driving force in our fast-moving, connected world. Moreso than nearly any other sector of the economy, industry lies at the heart of continuous innovation and change. To survive long term, you have to be able to react to ever-changing developments and conditions flexibly and with foresight. The highest level of economic know-how is just as indispensable here as powerful machines and reliable production facilities.

With over 60 years of experience in the development, production and sale of smart cable management systems and individual components, at murrplastik® we support companies worldwide in optimizing their work processes.

For the customers, this means protected investments, long-lasting machines and shorter downtimes as the basis for a future-proof, up-to-date corporate development.

Contents

We create room for progress
Simply Smart Systems

Building on the development of the first computer-assisted labeling system and our decades of experience in the field of intelligent cable management, murrplastik® offers not only individual solutions but also complete cable management solutions – everything from one source.

In close cooperation with our experts, we will find the optimum solution for you and your requirements. Comprehensive consulting is just as much a part of our service portfolio as the rapid implementation, maintenance and support of the systems in case of a service issue.

That is how we can ensure the basis for the modern, future-proof, progressive growth of your company.
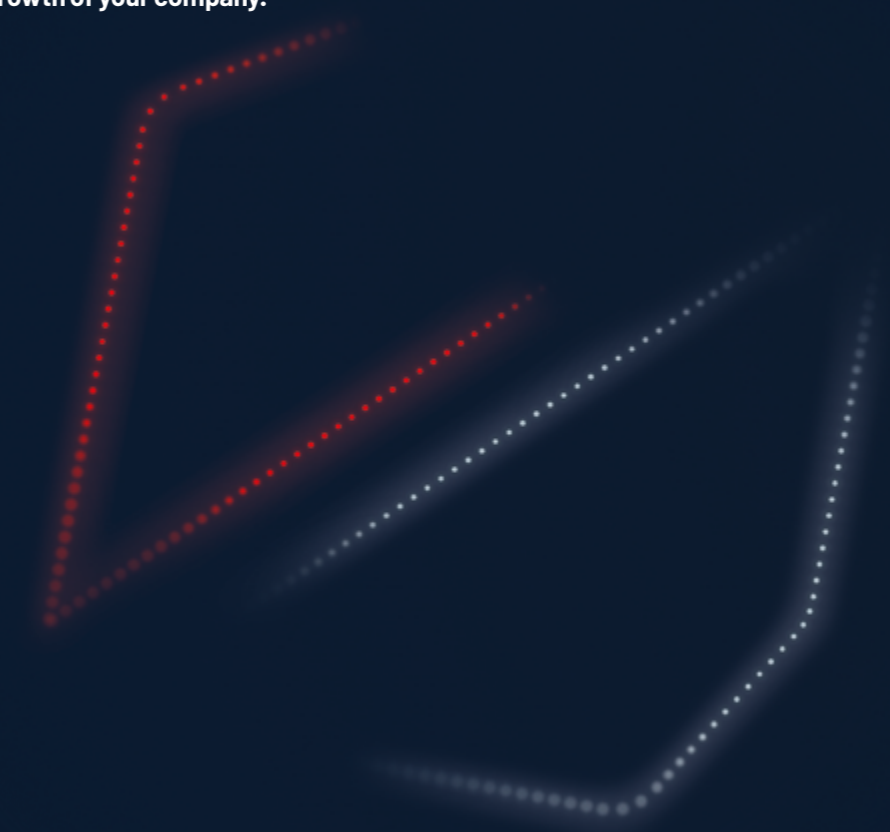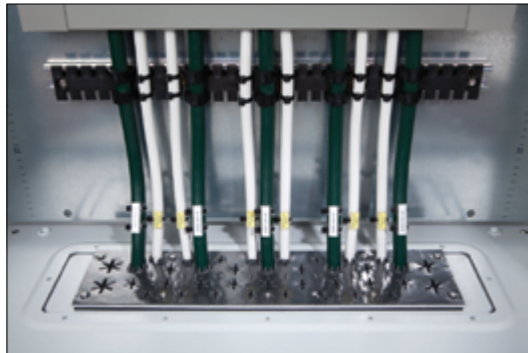
Description of the
Fire classification according to UL 94

Fire classification HB

The material burns slowly in the horizontal combustion test. The rate of combustion must not exceed 3 inch/min. for wall thicknesses of up to 3 mm (0.12 in), and 1.5 inches/min. for wall thicknesses over 3 mm (0.12 in). Any materials exceeding these combustion rate limits are not registered by UL.

Fire classification V2

In the vertical combustion test, self-extinguishing must occur after an average of 25 seconds (individual values not to exceed 30 seconds). Any dripping material may ignite cotton wool located underneath. However, any afterglow must not exceed 60 seconds.

Fire classification V1

In the vertical combustion test, self-extinguishing must occur also after an average of 25 seconds (individual values are not to exceed 30 seconds). However, any material dropping off must not ignite cotton wool placed underneath. Any afterglow must not exceed 30 seconds.

Fire classification V0

In the vertical combustion test, self-extinguishing must occur after an average of less than 5 seconds (individual values not to exceed 10 seconds). However, any dripping material must not ignite the cotton wool and any afterglow must not exceed 30 seconds.

The fire protection mat reacts at temperatures exceeding 160 °C (320 °F) by expanding and
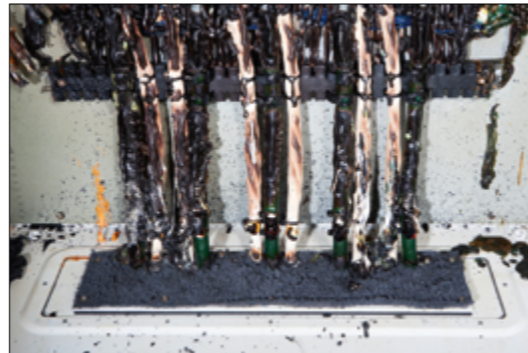
thereby closing off the opening completely fire resistant.

Description of the
Protection classes according to DIN EN 60529

An important element for housings is protection of integrated elements against drilling, foreign particles and water. The various protective abilities are divided into IP protection classes (IP = International Protection). The framework conditions that a protection class must guarantee are laid out in DIN 40050 and IEC-EN 60529. IP protection classes are indicated through a two digit code (IPXX). The first digit indicates protection against contact and foreign particles, the second the water protection factor. Accordingly the class IP65 is completely protected against contacts, dust-proof (1st digit = 6) and is protected against jets of water from a nozzle in all directions (2nd digit = 5).

1. Digit	Contact protection	Foreign particle protection	
0	No protection		
1	Protected against solid foreign objects of 50 mm (1.97 in) and larger	The object probe, a sphere of 50 mm (1.97 in) in diameter, must not fully penetrate.	
2	Protected against solid foreign objects of 12.5 mm (0.49 in) and larger	The object probe, a sphere of 12.5 mm (1.97 in) in diameter, must not fully penetrate.	
3	Protected against solid foreign objects of 2.5 mm (0.49 in) and larger	The object probe of 2.5 mm (0.10 in), shall in no way penetrate.	
4	Protected against solid foreign objects of 2.5 mm (0.49 in) and larger	The object probe of 1.0 mm (0.10 in), shall in no way penetrate.	
5	Dust-protected	The ingress of dust is not fully prevented; however, it must not penetrate to such an extent that satisfactory operation or safety are impaired.	
6	Impervious to dust	No ingress of dust.	

| 2. Digit	Brief description	Water protection	
0	No protection		
1	Protected against vertical falling drops of water	Drops which fall vertically must not have any harmful effect.	
2	Protected against diagonally falling spray (up to 15°)	Drops which fall vertically must not have any harmful effects if the housing is inclined at an angle of up to 15° at either side of the perpendicular.	
3	Protected against diagonally falling spray (up to 60°)	Water which is sprayed at an angle of up to 60° from either side of the perpendicular must not have any harmful effects.	
4	Protected against spray from all directions	Water splashing against the enclosure from one direction shall have no harmful effect.	
5	Protected against jets of water (nozzle)	Water which is sprayed in a jet against the housing from any direction must not have any harmful effects.	
6	Protected against strong water jets (flooding)	Water projected in powerful jets from any direction against the housing shall have no harmful effects.	
6K	Protected against strong water jets (high pressure)	Water from any direction, strong jet directed against housing, must not have any harmful effects, specifically under increased pressure.	
7	Protected against the effect of temporary immersion in water	Water must not penetrate to an extent that will cause harmful effects if the housing is temporarily submerged in water under pressure and under time conditions.	
7M	Protected against the effect of temporary immersion in water with movement	Water must not enter in a quantity that causes a harmful effect when the housing is temporarily submerged under water under pressure and time conditions, especially during movement / water pressure fluctuations.	
8	Protected against the effect of permanent submersion in water	Water must not penetrate to such an extent that it will cause harmful effects if the housing is permanently submerged in water.	
9K	Protection against highly pressurized water/steam jet cleaning	IP x9K acc. to DIN 40050: Water jet at 0°/30°/60°/90°, cycle: 30 seconds each, distance: 10 – 15 cm (3.94 – 5.91 in) water volume: 14 – 16 liters (3.70 – 4.22 gal) per minute, water temperature: 80 °C +/- 5 °C (176 °F +/- 9 °F), water pressure: 80-100 bar	

Energy Industry

The future in the best hands

Reliability and durability under a wide range of operating conditions are essential factors for the successful use of a wide variety of technologies in the energy sector.

With murrplastik® you contribute to the durability of your plant and prevent downtime and maintenance in the long term.

to the product video

cable entry system
KDL/E+

Cable entry systems for use in any conditions

The KDL/E+ cable entry system is specially designed for the requirements of the energy industry and proves itself even under the most difficult conditions.

Pre-assembled cables inserted into the frame, which is closed on one side, makes installation easy in static positions or confined spaces. You can also fully rely on the KDL/E+ after installation: With integrated strain relief, ingress protection up to protection class

IP 65 and an operation range of -30 °C to +100 °C (-22 °F to 212 °F), every application is covered. Class V0 fire protection, RoHS conformity and UV resistance thanks to special plastic additives underline the quality "made in Germany".

Full overview with automated marking

With the mp-LM 3 laser marking system from murrplastik® you always have the full overview. The reliable technology requires no consumables and ensures fast, permanent marking.

The laser marks a wide range of materials easily and abrasion-free; it marks label types standard in the energy industry, like, polycarbonate, polypropylene, stainless steel, anodized aluminum, as well as laser foils and magnetic signs.

The integration of labeling software and automated batch processing ensures reliably high and error-free output.
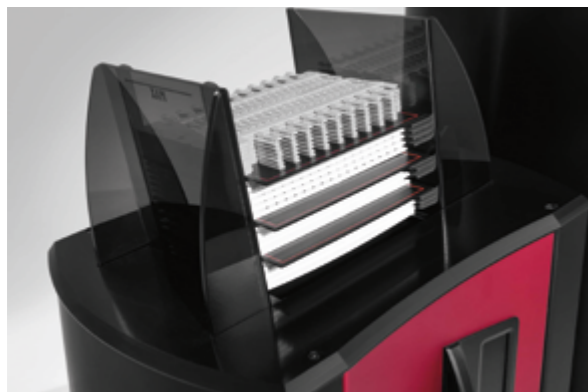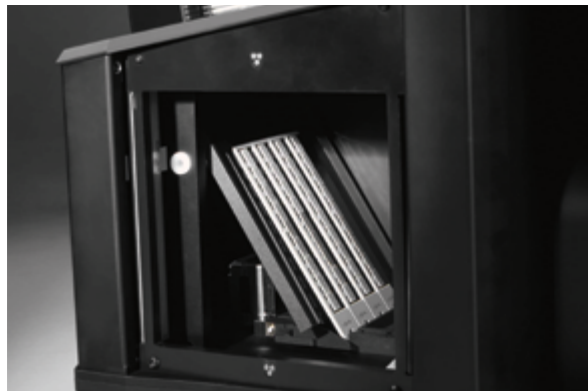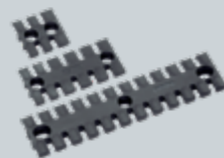
Use and location of components for windmill construction

Tower
Bundling and guiding of cables

EWT-PA, PP & PAB	
ZL	
UH-S	

EWT-PA & PP	
EW-PA & PP	
EWL-PA	

Floor
Bundeling and installation of the cables and protection against mechanical loads

Use and location of components for windmill construction

KDP/ZR

KDL/D-mono

Wind measuring device
High protection cable entry

Hub
Protection and strain relief of the cables and long-termin labeling of relevant cables

EWT-PA & PP

EW-PA & PP

EWL-PA

ACS

ZL

Hydraulic
Protection from hydraulic oil

EWT-PA & PP

EW-PA & PP

EWL-PA

Inverter
Easy and resilient cable entry, protection against electromagnetic interference

KDL/E+

M-seal EMC

SC-EMV

Use and location of components for windmill construction

Pitch
Protecting and strain relief of the cables and long-termin labeling of relevant cables

EWT-PA & PP

EW-PA & PP

EWL-PA

KDL/E+

KDP/Z

Ceiling
Bundeling and installation of the cables
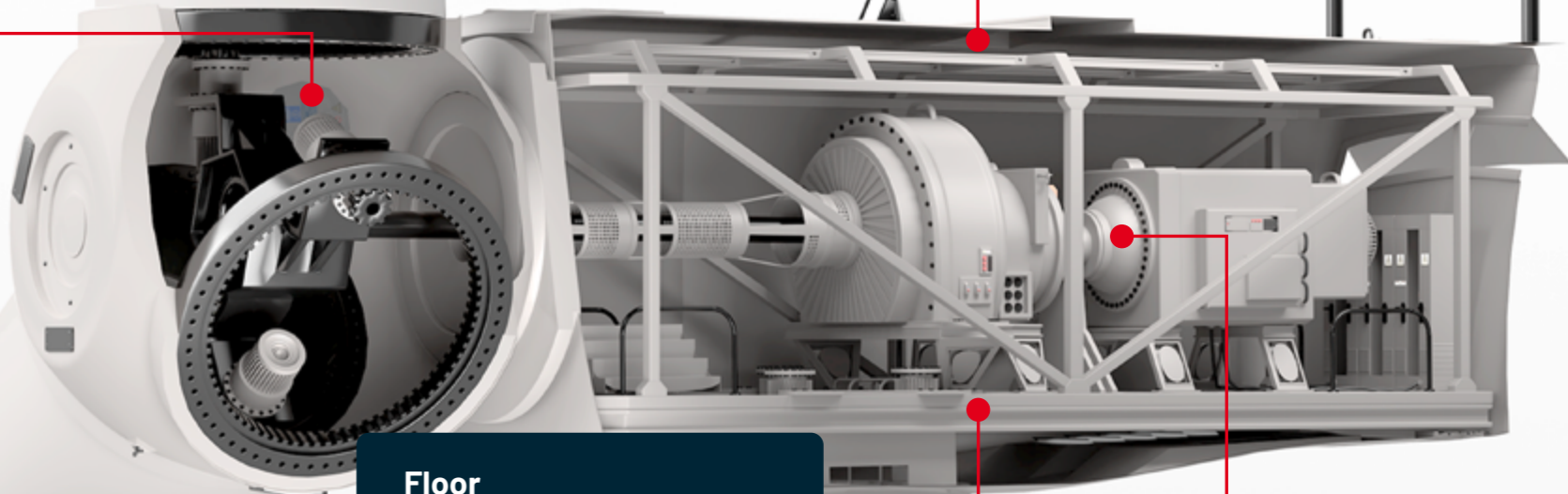
EWT-PA & PP

EW-PA & PP

EWL-PA

Floor
Bundeling and installation of the cables and protection against mechanical loads

EWT-PA & PP

EW-PA & PP

EWL-PA

Generator
Protection against mechanical loads

EWT-PA & PP

KDL/E+ cable entry system

Variants: 18

Product information

The flexible cable entry system for the insertion of pre-assembled cables with a frame closed at the top.

- Stackable
- Easy assembly
- High packing density
- Integrated strain relief
- Protection class: IP 65
- Thermal stability: –30 °C – +100 °C
- Fire classification: V0
- RoHS compliant
- UV resistant
- Made in Germany

Matching grommets: KDT/ZE und KDT/ZE+

Conformities and approvals

KDP/Z cable entry plate, plastic

Variants: 27

Product information

Very flat cable entry plate made of plastic with a 2-component design and best properties

- Enormous time savings in assembly
- High packing density
- Large wire diameter ranges
- Good strain relief

Protection class: IP69K (with matching cables IP66/67
Fire classification: HB
Thermal stability: –30 °C to +70 °C
Material: Frame: Polypropylene (PP) / Seal TPE

Suitable for standard cut-outs for industrial connectors
Assembly with clips or M5 screws possible

Conformities and approvals

Cable entry grommet type KDT/ZE+

Variants: 31

Product information

Cable entry grommet for pre-assembled cables in connection with cable entry system KDL/E+

- Approved for railway technology (EN 45545-2 / 3x HL3)
- The grommets are retrofitted around the cable.
- Strain relief even better with simple cable ties
- Thermal stability: –40 °C – +100 °C
- Fire classification: V0
- RoHS compliant
- UV resistant
- Made in Germany

Conformities and approvals

Cable entry plate, round Type KDP/ZR

Variants: 14

Product information

The KDP/ZR cable entry plate is made of modified Polypropylene and is a round entry and fastening system for cables without plugs and pneumatic hoses such as those used in control cabinets, plant or machine construction. Wherever quick assembly is required with high packing density and cables must be protected, the cable insertion system is used.

The special benefits of the KDP/ZR are:

- Enormous time savings in assembly
- High packing density
- Standardized cut-out dimensions
- Large wire diameter ranges
- Very flat design

Conformities and approvals

KDL/D-mono cable entry system

Variants: 5
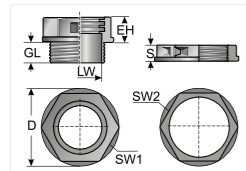
Product information

The round, splittable cable entry system for the feed-through of pre-assembled cables

- Easy assembly
- Integrated and split seal
- The split lock nut is included within the scope of delivery
- Easy strain relief with cable ties possible
- Protection class: IP 65 (with suitable grommets and cables)
- Thermal stability: –30 °C – +100 °C
- Fire classification: V0
- Material: Polyamide 6
- RoHS compliant
- UV resistant
- Made in Germany

- Suitable for standard cu-touts M25, M32, M40 and M50
- Suitable grommet: KDT/X

Conformities and approvals

Cable entry system, Type KDL-Jumbo

Variants: 2
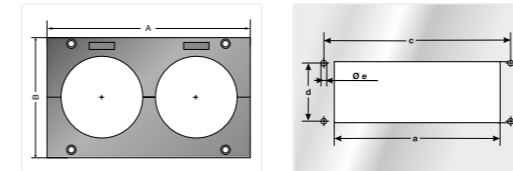
Product information

The powerful cable entry system for the insertion of pre-assembled cables, metal pipes and corrugated conduits (EW and EWX-corrugation).

- Two-piece frame
- Very robust and completely splittable system
- For large feed-throughs
- Integrated, permanent (captive) seal

- Protection class: IP 65 (with suitable grommets and cables)
- Thermal stability: –30 °C – +100 °C
- Fire classification: V0
- Material: Polyamide 6.6, PUR
- RoHS compliant
- UV resistant
- Made in Germany

- Integrated strain relief at all grommets

Conformities and approvals

KDT/X cable entry grommets

Variants: 53

Product information

One piece cable entry grommet for pre-assembled cables in connection with cable entry system KDL/C, KDL/D, KDL/H and KDL/H VA as well as KDL/D-mono.

- Pre-assembled cables can be easily inserted or fed through e.g. in control cabinets.
- The grommets are retrofitted around the cable

- UL listed
- Thermal stability: –30 °C – +100 °C
- Fire classification: V0
- Material: TPE
- RoHS compliant
- UV resistant
- Made in Germany

- Double cable grommets, multi-line grommets, ASI bushings, USB-grommets and adapter grommets are not UL listed.

Conformities and approvals

KDT/Z-Jumbo cable entry grommet

Variants: 9

Product information

Two-piece cable entry grommet in connection with cable entry system KDL-Jumbo

- With our grommet KDT/Z- Jumbo cables from 30-65 mm can be inserted
- Grommet is placed and mounted together with the frame halves of the KDL-Jumbo around the cable
- Quick and easy strain relief with cable ties is possible

- Thermal stability: –30 °C – +100 °C
- Fire classification: V0
- Material: TPE-S
- RoHS compliant
- UV resistant
- Made in Germany

Conformities and approvals

KDL/H cable entry system

Variants: 17
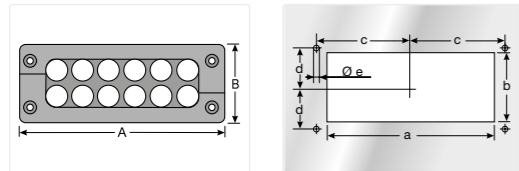
Product information

The cable entry system for the feed-through of pre-assembled cables in a very stable and robust design made of zinc die-cast or aluminum.

- 2-piece or 3-piece frame
- Easy assembly
- High packing density for up to 48 cables
- Integrated strain relief
- RoHS compliant
- UV resistant
- Made in Germany

- Suitable for standard cutouts for 24- and 16-pin industrial connectors as well as two special sizes (single row and round M50)
- Suitable grommet: KDT/X

Conformities and approvals

Cable entry system, Type KDL/S 16

Variants: 1

Product information

The flexible special bar enables individual solutions for cables with and without connectors

- Two-piece frame
- Individual solutions are possible, a wide variety of cable shapes can be implemented

- Protection class: IP 54 (with suitable grommets and cables)
- Thermal stability: -40 °C – +80 °C
- Fire classification: V0
- Material: Polyamide 6.6
- RoHS compliant
- UV resistant
- Made in Germany

- Suitable for standard cut-outs for 16-pin industrial connectors
- Suitable grommets: KDT/S 16

Conformities and approvals

KDT/X cable entry grommets

Variants: 53

Product information

One piece cable entry grommet for pre-assembled cables in connection with cable entry system KDL/C, KDL/D, KDL/H and KDL/H VA as well as KDL/D-mono.

- Pre-assembled cables can be easily inserted or fed through e.g. in control cabinets.
- The grommets are retrofitted around the cable

- UL listed
- Thermal stability: -30 °C – +100 °C
- Fire classification: V0
- Material: TPE
- RoHS compliant
- UV resistant
- Made in Germany

- Double cable grommets, multi-line grommets, ASI bushings, USB-grommets and adapter grommets are not UL listed.

Conformities and approvals

Cable entry grommets, type KDT/S 16

Variants: 12

Product information

Cable entry grommet in connection with cable entry system KDL/S 16.

- Individual, customer-specific solutions can be realized
- e.g. insertion of cables in the most varied of shapes or sealing of openings for feed-throughs with metal cables that must be sealed off.

- Thermal stability: -40 °C – +80 °C
- Fire classification: HB
- Material: Thermoplastic rubber
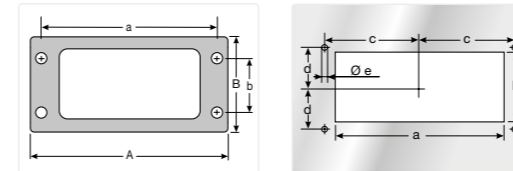- RoHS compliant
- UV resistant
- Made in Germany

Conformities and approvals

Cable entry system, type KDL/S 24

Variants: 5
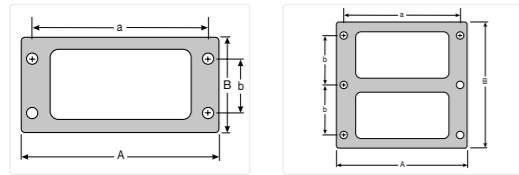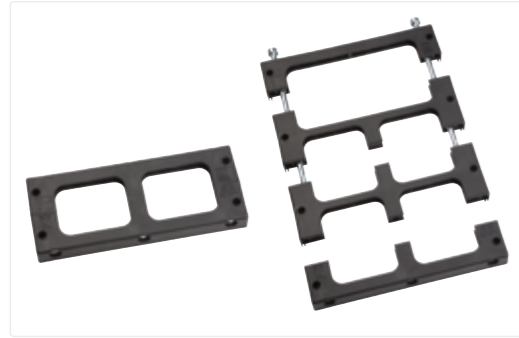
Product information

The flexible special bar enables individual solutions for cables with and without connectors

- Two-piece, stackable frame
- Individual solutions are possible, a wide variety of cable shapes can be implemented

- Protection class: IP 54 (with suitable grommets and cables)
- Thermal stability: –40 °C – +80 °C
- Fire classification: V0
- Material: Polyamide 6.6
- RoHS compliant
- UV resistant
- Made in Germany

- Suitable for standard cut-outs for 24-pin industrial connectors
- Suitable grommets: KDT/S 24

Conformities and approvals

Cable entry grommets, type KDT/S 24

Variants: 3

Product information

Cable entry grommet in connection with cable entry system KDL/S 24.

- Individual, customer-specific solutions can be realized
- E.g. insertion of cables in the most varied of shapes or sealing of openings for feed-throughs with metal cables that must be sealed off.

- Thermal stability: –40 °C – +80 °C
- Fire classification: HB
- Material: Thermoplastic rubber
- RoHS compliant
- UV resistant
- Made in Germany

Conformities and approvals

Cable entry plate plastic customer-specific KDP/S-Z

Variants: 5
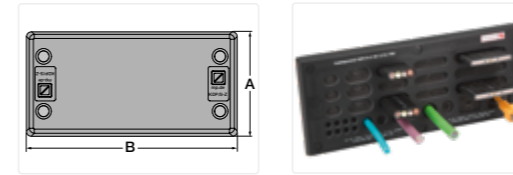
Product information

Flexible, high-density plastic cable entry plate, very flat due to two-component design It enables individual solutions for cables without connectors.

- Enormous time savings in assembly
- High packing density
- Large wire diameter ranges
- Good strain relief
- Suitable for standard cut-outs for 16-pin and 24-pin industrial connectors as well as Rittal size 2
- Assembly with clips or M5 screws possible

Conformities and approvals

Cable entry membrane type KDM/G

Variants: 7

Product information

KDM/G is a cable entry system for cables without plug connectors. The various sizes fit on metric cut-outs from M12 to M50 and are specially designed for cable diameters 4 – 35 mm.

- Easy no-tool push-fit installation
- Extremely high tightness IP66/67
- Fits on standard cut-outs of M12 to M50
- High temperature stability

Conformities and approvals

Cable entry membrane type KDM/F

Variants: 4

Product information

KDM/F is a self-extinguishing cable entry system for cables without plug connectors. The various sizes fit to metrical cut-outs from M16 to M32.

- Easy no-tool push-fit installation
- Extremely high tightness IP66
- Very flexible diameter ranges (more than one cable option)
- Self-extinguishing material per UL94 V2
- Fits on standard cut-outs of M16 to M32

Conformities and approvals

ZL strain relief

Variants: 13
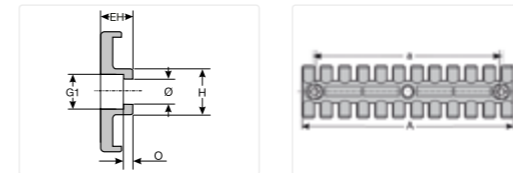
Product information

The ZL strain relief plate may be used wherever the strain of cables, hoses, cords, wires or conduits must be relieved or they are to be routed in a secure, easy and cost-effective way. The insertion of the ELB insert bushing stops the cold extrusion characteristic of plastic from affecting the secure fixing of the plate. The DH spacer sleeve is required for two-tier mounting.

- Approved for railway technology (EN 45545-2)

Other types are available for mounting on C-rails and profile rails.

Conformities and approvals

Strain relief type ZL-fix

Variants: 8

Product information

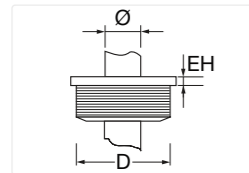The strain relief ZL-fix may be used wherever cables, hoses, cords, wires or conduits must be relieved or routed in a way that is secure, easy and cost-effective. The strain relief ZL-fix is available in two versions, either for direct screw fastening (flat-head screw M5, not included in delivery) or for fastening on a profile with 10 mm groove width (integrated nut strap).

- Do not constrict sensitive cables such as fiber optic cables or pneumatic hoses
- No-tools fastening hook-and-loop system can be opened and closed infinitely
- Very simple handling
- Variable installation positions

Conformities and approvals

Cable fixing plate Type KAF

Variants: 3
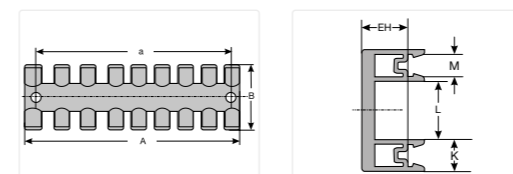
Product information

The cable fixing plate KAF is suitable for simultaneously holding and relieving the strain of cables in the control cabinet. Designed to be mounted on a standard 35 mm top-hat rail (EN 50022; Niedax 2934; 2936) or on a C-rail (Niedax 2970; 2971). The assembly is done by simply snapping on.

- Approved for railway technology (EN 45545-2)

Conformities and approvals

Screwed holder, type SH

Variants: 2
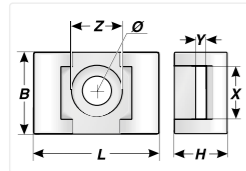
Product information

The SH screw-down holder is used to fix individual cables cost-effectively. It can be screwed or riveted to any surface.

Conformities and approvals

RoHS

Cable protection conduit, type EW-PP

Variants: 22

Product information

The self-extinguishing EW-PP cable protection conduits are made of specially modified polypropylene.
EW-PP cable protection conduits are characterized by excellent chemical resistance and good impact resistance.
The EW-PP is also suitable for static and dynamic applications with medium to high mechanical loads.

Applications:
- Plant engineering
- Mechanical engineering
- Chemical plants

Conformities and approvals

HF UV ECOLAB certified Made in Germany

Cable protection conduit type EWT-PP split-flex

Variants: 9

Product information

The EWT-PP cable protection conduits are made of specially modified polypropylene. The material is phosphor and cadmium-free. For static applications involving light to medium mechanical loads.

The EWT-PP cable protection conduits consist of a two-piece slotted corrugated conduit system and feature the following advantages:

- Corrugated conduits can be opened and closed at any time.
- Mounting of pre-assembled cables
- Retrofitting or repair in mechanical and plant engineering

Conformities and approvals

HF UV RoHS Made in Germany

Cable protection conduit, type EW-PA

Variants: 40

Product information

The EW-PA cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The conduits are for universal use in both mechanical and plant engineering and vehicle engineering.

The EW-PA cable protection conduits feature the following advantages:

- High crush resistance
- Good flexibility
- Medium to high loads in static applications

Conformities and approvals

HF UV ECOLAB certified Made in Germany

Cable protection conduit, type EWL–PA

Variants: 29

Product information

The EWL-PA cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The affordable EWL-PA cable protection conduits are characterized by their good crush and impact resistance.

For static applications involving low to medium mechanical loads.

Applications:
- Plant engineering
- Mechanical engineering
- Vehicle engineering

Conformities and approvals

Cable protection conduit, type EW-PAB

Variants: 30

Product information

The EW-PAB cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The EW-PAB cable protection conduits feature excellent crush resistance, self-extinguish extremely well and produce very low levels of smoke gas.

For static applications involving medium to high mechanical loads.

Applications:
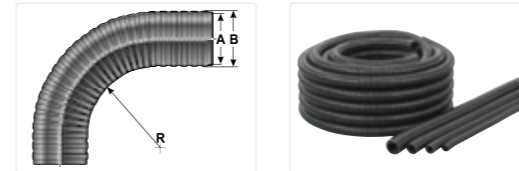- Building technologies
- Mechanical engineering
- Plant engineering

Conformities and approvals

Cable protection conduit, typeEWT-PA split-flex

Variants: 9

Product information

The EWT-PA cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The conduits are suitable for static applications involving light to medium mechanical loads.

The EWT-PA cable protection conduits consist of a two-piece slotted conduit system and feature the following advantages:

- Cable protection conduits can be opened and closed at any time.
- Mounting of pre-assembled cables
- Retrofitting or repair in mechanical and plant engineering

Conformities and approvals

Cable protection conduit, type EWL-PAB

Variants: 46

Product information

The EWL-PAB cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The affordable EWL-PAB cable protection conduits are characterized by their excellent self-extinguishing properties and high crush and impact resistance.

For static applications involving low to medium mechanical loads.

Specification:
- EN 45545-2 3x HL3
- ECE 324 R 118 Annex 6+8

Applications:
- Plant engineering
- Mechanical engineering
- Vehicle engineering

Conformities and approvals

Cable protection conduit, type EWT-PAB split-flex
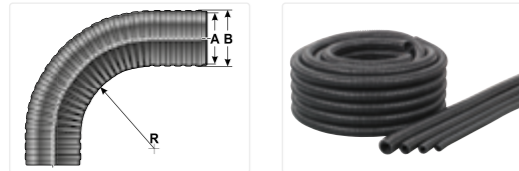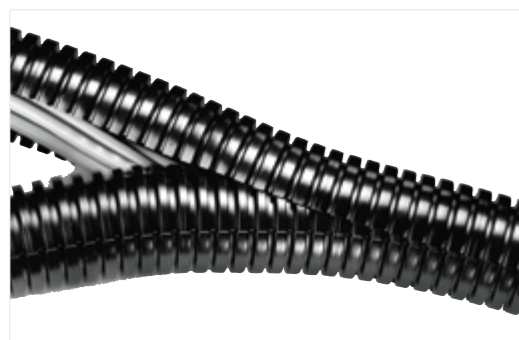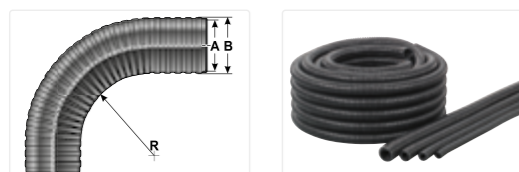
Variants: 8

Go to product

Product information

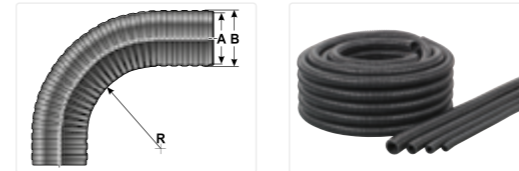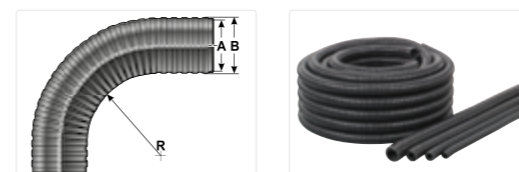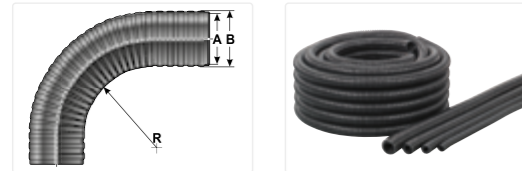The EWT-PAB cable protection conduits are made of specially modified polyamide 6.

The material is halogen, phosphor and cadmium-free. Due to its excellent fire protection properties and very low smoke emission, this product can be used in railway technology and for static applications with medium to high mechanical stress.

- The EWT-PAB cable protection conduits consist of a two-part, slotted conduit system and are characterized by the following advantages:
- The cable protection conduits can be opened and closed again at any time.
- Mounting of pre-assembled cables
- Retrofitting or repair in mechanical and plant engineering

Conformities and approvals

HF | UV | RoHS | EU | ECOLAB certified | Made in Germany

Conduit holder, type UHE

Variants: 13

Go to product

Product information

The UHE holder is a one-piece corrugated conduit holder in which the lid is connected to the holder by a film hinge. It is manufactured from a specially modified Polyamide. The material is halogen, phosphor and cadmium-free. The holder is used to fix cable protection conduits to equipment and machinery.

The UHE holder features the following advantages:

- Quick assembly thanks to single-hole fixing
- Protective conduits only need to be snapped on, which makes them excellent for overhead installations.
- Optimum connection of conduit to holder thanks to double webs of holder
- Optimized axial strain relief of the corrugated conduit achieved with integrated double webs
- Highest degree of retention power.
- Suitable for all Murrflex corrugated conduit profiles.

Specification:
- EN 45545-2 3x HL3
- ECE 324 R 118 Annex 6+8

Conformities and approvals

HF | UV | RoHS | EU | cULus | Made in Germany

Conduit holder, type UH-S

Variants: 10

Go to product

Product information

The stable UH-S holder is made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The UH-S holders, which can be strung together and stacked, are ideally suited to applications with special requirements in terms of stability. Equipped with the appropriate cable protection conduits, the UH-S holders offer excellent performance in terms of stability, flexibility of use and durability – even under high dynamic loads.

The UH-S holders M20/P16 to M63/P56 feature the following advantages:

- Safe closing of the holder with no tools required
- Machine safe, can only be opened with a tool
- The upper part can also be secured with screws if necessary
- Lower part can be pre-assembled
- Suitable for all Murrflex corrugated conduit profiles.

The UH-S holders in the sizes M10/P07 to M16/P11 are to be fixed with two screws. Screws are not included in the delivery.

Specification:
- EN 45545-2 3x HL3
- ECE 324 R 118 Annex 6+8

Conformities and approvals

HF | UV | RoHS | EU | cULus | Made in Germany

Type SA-Jumbo (flange connection)

Variants: 8

Go to product

Product information

The SA-Jumbo flange connections are made of specially modified polyamide. The material is halogen, phosphor and cadmium-free.

The SA-Jumbo flange connections feature the following advantages:

- Split ring makes assembly easy
- Tightness of IP 52 without DS seal
- Tightness of IP 65 with DS seal (DS seal must be ordered separately if required)
- Dimensionally stable connection ring ensures high tear-out strength
- Safety clips ensure protection against connection ring opening by itself
- O-ring for fastening flange included in delivery

Conformities and approvals

HF | RoHS | cULus | Made in Germany

Type KFW-Jumbo (90° flange connection)

Variants: 8

Product information

The KFW-Jumbo flange connections are made of specially modified polyamide. The material is halogen, phosphor and cadmium-free.

The KFW-Jumbo flange connections feature the following advantages:

- Split ring makes assembly easy
- Tightness of IP 52 without DS seal
- Tightness of IP 65 with DS seal (DS seal must be ordered separately if required)
- Dimensionally stable connection ring ensures high tear-out strength
- Safety clips ensure protection against connection ring opening by itself
- O-ring for fastening flange included in delivery
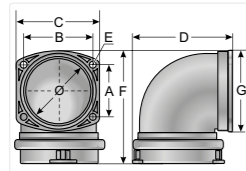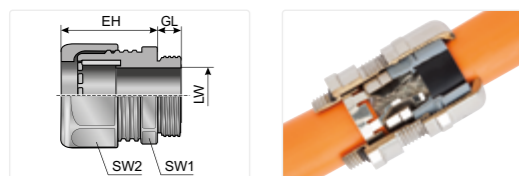
Conformities and approvals

HF | RoHS | c UL us | Made in Germany

SC-EMV / MSC-EMV shielding clip

Variants: 8

Product information

The steering components in today's machine, plant and control cabinet installations are becoming more and more complex. A good EMC concept therefore gains increasing importance. murrplastik earthing and cable shielding products are designed to meet the demands for low bleeder resistance at high frequencies.
murrplastik products are characterized by their very easy handling.

- The spring action provides uninterrupted contact pressure with the shield.
- High conductivity
- Excellent discharge of high-frequency noise current.

Conformities and approvals

Cable fitting type m-seal EMC (EMV)

Variants: 9

Product information

With the m-seal EMC (EMV) cable fittings, simple radial and axial movement of the cable are possible, even at contact location. The contact finger surfaces with rounded edges prevent damage to the conductor.
In addition, the large surface on the contact finger makes low contact resistance possible, even on loosely woven cables (the contact area does not press into the conductor).

The m-seal EMC (EMV) cable fitting features the following advantages:

- Large seal and clamping area
- With integrated strain relief
- High protection class IP 68
- High contract rating, even at vibration conditions
- Very simple and rapid assembly without tools
- Suitable for the highest requirements of today's technology
- Very good shielding attenuation

Conformities and approvals

HF | RoHS | c UL us | c UL us | △ | UL TYPE 4X

Multi Clip for busbar type MCS-EMV/MCSZ - EMV

Variants: 4

Product information

The steering components in today's machine, plant and control cabinet installations are becoming more and more complex. A good EMC concept therefore gains increasing importance. murrplastik earthing and cable shielding products are designed to meet the demands for low bleeder resistance at high frequencies.
murrplastik products are characterized by their very easy handling.

- Assembly without tools on 10x3 mm bar
- Less warehoused parts
- Very compact design
- Strain relief with cable ties (MCSZ-EMV)

Conformities and approvals

CLICK

Laser labeling system mp-LM 3

Variants: 1

Product information

Economical laser labeling system for the automated processes of individual print jobs for the project-specific labeling of most murrplastik plastic labels.

Scope of delivery
- Laser labeling system
- USB cable
- Power cord
- 2 m extraction hose
- Receiving container (catch tank)
- Separator plates for mixed loading (3 pcs)
- Operating Manual
- CD with licensing information

Technical data
- Laser power: 3 watts
- Laser source: Nd:YAG / pulsed
- Wavelength emissions: 1064 nm
- Cooling: Air
- Printable area: 120 x 120 mm
- Operation duration: ca. 52 s
- (1 frame KS 4/18 L, TrueType Arial, 342 characters, 6 ea. label)
- Laser class: 1
- Ports: USB, Ethernet
- Input voltage: 100 – 240 V AC
- Dimensions (HxWxD): 475x795x300 mm
- Weight: 17.5 kg
- Storage temperature: min. 0 °C / max. 50 °C (max. 24h)
- Transport: The unit should not be exposed to shocks or vibrations.
- Operating temperature: min. 15 °C / max. 35 °C
- Humidity: 10 – 85 % without condensation

Conformities and approvals

ESK cable designation on stainless steel

Variants: 6
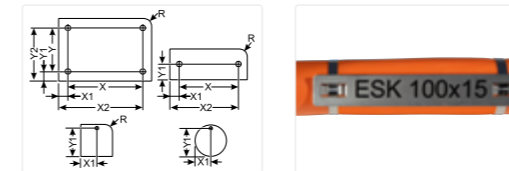
Product information

Stainless steel signs for cable marking. Mounted with cable ties. The labels are applied to a plastic carrier and are suitable for labeling with a laser of the mp-LM line.

Special design for demanding environments like
- in the chemical or petrochemical industries
- in the mining industry
- in the ship building industry
- in wind energy plants
- in the food industry

A suction and filter unit is absolutely necessary to comply with legal regulations on health protection.

ESK 100x15

Conformities and approvals

EST stainless steel type plate

Variants: 9
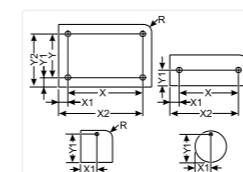
Product information

V4A stainless steel label plates to be used as type plates. Fastened with either rivets or screws.

Marking is only possible with a laser marking system (e.g. mp-LM*, pulsar) or with an engraving system suitable for engraving stainless steel (e.g. CAM).

Special design for demanding environments like
- in the chemical or petrochemical industries
- in the mining industry
- in the ship building industry
- in wind energy plants
- in the food industry

* Maximum marking size of the mp-LM series = 120 x 120 mm

A suction and filter unit is absolutely necessary for laser cutting to comply with legal regulations on health protection.

Conformities and approvals

ELF/P laser label foil premium

Variants: 3

Product information

The double-layer ELF laser label foil is ideal for the production of custom adhesive labels and displays a reliable, permanent adhesion on Polyolefine (PE/PP), slightly oily or powder coated surfaces.

Complete cover of high-contrast base colors. Labeling and cutting is done with a murrplastik laser system.

- Halogen-free polyacrylate foil
- Very good chemical and thermal resistance
- Self-extinguishing after 15 seconds
- Available in various colors
- Custom configuration of the labels
- Forgery-proof: Cannot be detached without destruction

External suction system

For laser inscribing of ELF/T laser label foil, you must scrub the exhaust air or route it outside (observing statutory provisions) as a precautionary measure to ensure that the strong odors that the machine can produce do not endanger the health of employees. An external suction system can be connected directly to the MP laser labeling system using an adapter.

Conformities and approvals

KNC label plate

Variants: 24

Product information

High-quality, halogen-free label for subsequent direct labeling of wires. The KNC label, made of PC materials, was developed for the direct and subsequent labeling of cords and cables. No tools required.
Available in four sizes for wire cross-sections of 2.0 - 7.2 mm.

Conformities and approvals

KSM label plate

Variants: 10

Product information

High-quality, halogen-free label for subsequent direct labeling of wires.
The KSM label, made of PC materials, was developed for the direct and subsequent labeling of cords and cables.
Only cable ties are required for mounting.

Conformities and approvals

LA laser aluminum

Variants: > 400
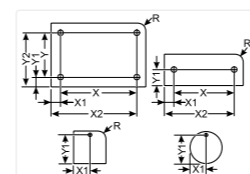
Product information

The laser has served us well for years, especially for engraving and labeling of metals.

Laser Aluminum (LA) can be marked with high contrast, durability, precision, legibility and speed with murrplastik laser systems.

- Custom configuration
- Various colors
- Various geometries and holes/hole patterns
- More than 400 variants available in total
- Three different carrier materials available

A suction and filter unit is absolutely necessary to comply with legal regulations on health protection.

Conformities and approvals

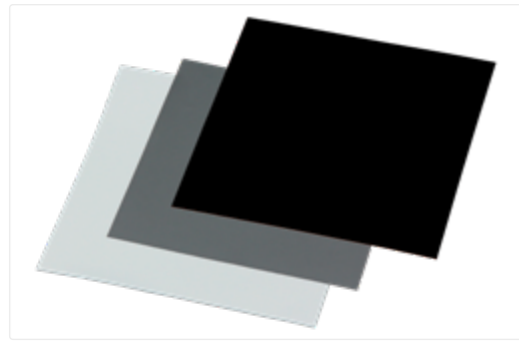## LM Laser Mat

Variants: > 400

Product information

Laser Mat is a double-layer material with a UV resistant, colored outer layer for marking with a murrplastik laser system.

- Custom configuration
- Various colors
- Various geometries and holes/hole patterns
- More than 400 variants available in total
- Three different carrier materials available
- Thickness: 0.8 mm

A suction and filter unit is absolutely necessary to comply with legal regulations on health protection.

Conformities and approvals

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mp-TM EOS2

Variants: 1

Product information

Compact label printer, when room at the workspace is tight. For label rolls up to a diameter of 155 mm.

- Compact label printer
- Simple and clear operation
- Large color touch screen
- Tool-free replacement of wear parts
- Automatic centering of the label roll
- Easy cleaning without additional tools

Scope of delivery
- mp-TM EOS2 label printer
- Power cord
- USB data cable
- Operating Instructions
- CD (driver with instructions)

Optional accessories
- Cutters
- External unwinder

NOT suitable for ST-BT-H railway technology, taped and ST-ECO heat-shrink conduits.

Conformities and approvals

LAM Laser Alumatt

Variants: > 350

Product information

Laser Alumatt consists of coated aluminum, suitable for laser engraving.
The surface is coated for laser engraving and has very good chemical resistance.
After laser marking with a murrplastik mp-LM series laser marking system the engraving appears in black.

- Custom configuration
- Various colors
- Various geometries and holes/hole patterns
- More than 350 variants available in total
- Three different carrier materials available
- Material thickness of 0.5 mm or 1.0 mm available

A suction and filter unit is absolutely necessary to comply with legal regulations on health protection.

Conformities and approvals

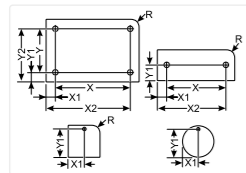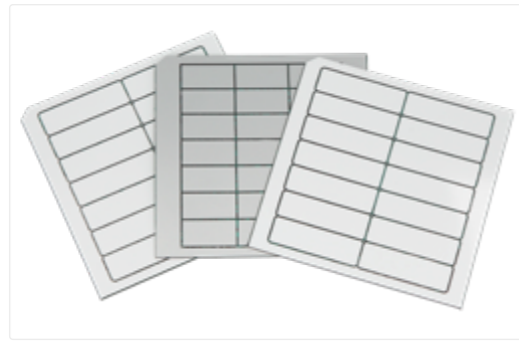
mp-TM SQUIX 4/M

Variants: 999

Product information

Industrial thermal transfer printer with print head and centered material feed.

Preferred for heat-shrink conduit, labels and KC series materials.

- No print head adjustment for materials of varying widths.
- Also for printing of narrow and thick continuous-feed materials
- Printing speed may be reduced

Scope of delivery
- mp-TM SQUIX 4/M printer
- Power cord
- USB data cable
- Operating Instructions
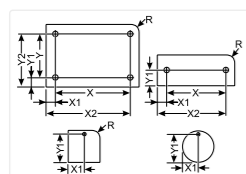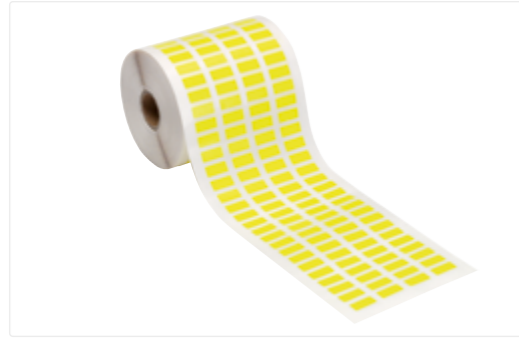- CD (driver with instructions)

Optional accessories
- Cutters
- Perforation blade
- External unwinder
- Internal roller mounting system

Conformities and approvals

TEG - fabric label

Variants: 21

Product information

This self-adhesive, silicon-free, woven nylon fabric is both flexible and tear-resistant. Fabric labels have a surface coating to ensure outstanding color fixing when lettering using thermal transfer print systems and resin- or wax/resin-based thermal transfer ribbons. The permanent acrylate adhesive features high initial adhesion, meaning labels can be processed easily. These labels are especially well suited for marking electrical systems, tagging devices, for adhesion over edges or radii, for cable designations or for use in switching cabinet installations.

TEG - fabric labels are suitable for
- Device identification of all kinds
- Smooth and textured surfaces
- Components with and without curves or corners

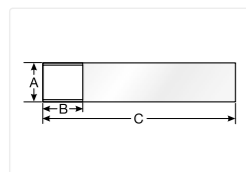Suitable for use with pavonis thermal transfer printers and the mp-TM series (with external unwinder).

Conformities and approvals

TES - self-laminating cable tag

Variants: 15

Product information

These self-laminating cable tags are ideal for labeling cables, cords and wiring. They provide a printable, colored field on the upper edge and can be removed easily from the backing paper after printing. As an additional protection from external environmental factors, the lettering is wrapped with self-adhesive laminate.
In addition, the backing paper is printed with precisely-dimensioned stripes for optimum sensor detection. The special film is only 0.05 mm thick and is highly flexible and supple. This ensures that the cable tag will not peel back up, even when used for cables with small diameters. The high-transparency laminate ensures the printed lettering remains easy to read.

TES - Self-laminating cable markers are suitable for
- Wire and cable labeling

Suitable for use with pavonis thermal transfer printers and the mp-TM series (with external unwinder).

Conformities and approvals

ST-ECO taped

Variants: 34

Product information

Polyolefine (PO) heat-shrink tube, type ST-ECO
Flat, thin-walled heat-shrink tube.
Flame retardant, in accordance with UL224. Shrink ratio 3:1
Particularly well-suited for use in labeling and identification processes.

Properties
- Excellent printing results
- Greatly flame retardant in accordance with UL224
- Ready to use with thermal transfer printers
- Shrink temperature >90°C
- Application temperature -55°C to +135°C

Standard colors: White, yellow
Available upon request: Blue, red, green

Conformities and approvals

ST-ECO continuous

Variants: 21

Product information

Polyolefine heat-shrink tube type ST-ECO continuous-feed
Flat, continuous-feed heat-shrink tube for labeling cables with excellent properties for the thermal transfer method.
This heat-shrink tube is particularly suitable for applications in the fields of switching cabinet construction, shipbuilding and the labeling of wiring harnesses.

Properties
- Excellent printing results
- Greatly flame retardant in accordance with UL224/CSA
- Ready to use with thermal transfer printers
- Shrink ratio 3:1
- Any length of the heat-shrink tube
- Shrink temperature >90°C
- Application temperature -55°C to +135°C

Standard colors: White, yellow
Available upon request: Blue, red, green

Conformities and approvals

Our goal: Easy & high protection cable entry systems for quick and easy assembly

String Collector
Subsequent insertion & protection of cable bundles in high protection class

KDP/Z	
KDP/ZR	
SA–Jumbo	
ZL–fix	

Inverter
Quick and easy insertion of cables in confined spaces, high strain relief & tightness

m-seal EMC	
KDL/E+	
SC-EMV	

Transformer
Quick and easy insertion of cables in confined spaces, high strain relief & tightness

KDL-Jumbo	
KDL/E+	
KDP/Z	
KDP/ZR	

Our goal: long-term labeling of relevant cables, conduits & components as **labeling service** - we supply **ready-labeled signs** that only need to be assembled

ACS –Service

LM – Lasermatt
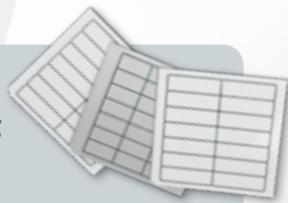
BS5L & BS6L

KSM

Our goal: Easy and retrofittable assembly of cable protection against environmental factors and rodents

Module Table
Fixation, protection and bundling of cables for process-safe and long-lasting plant operation

KBL	
ZL-fix	
ZL	
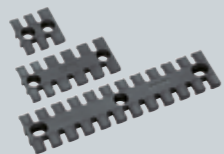
Module Table
Fixation, protection and bundling of cables for process-safe and long-lasting plant operation

EWT-PP	
EW-PP	
EW-R-PP	
EW-R-PP-LS	

KDL/E+ cable entry system

Variants: 18

Product information

The flexible cable entry system for the insertion of pre-assembled cables with a frame closed at the top.

- Stackable
- Easy assembly
- High packing density
- Integrated strain relief
- Protection class: IP 65
- Thermal stability: -30 °C – +100 °C
- Fire classification: V0
- RoHS compliant
- UV resistant
- Made in Germany

Matching grommets: KDT/ZE und KDT/ZE+

Conformities and approvals

LABS | UV | RoHS | EU | Made in Germany

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KDP/Z cable entry plate, plastic

Variants: 27

Product information

Very flat cable entry plate made of plastic with a 2-component design and best properties

- Enormous time savings in assembly
- High packing density
- Large wire diameter ranges
- Good strain relief

Protection class: IP69K (with matching cables IP66/67)
Fire classification: HB
Thermal stability: -30 °C to +70 °C
Material: Frame: Polypropylene (PP) / Seal TPE

Suitable for standard cut-outs for industrial connectors
Assembly with clips or M5 screws possible

Conformities and approvals

LABS | UV | RoHS | UL | ECOLAB certified | UL TYPE 12 | UL TYPE 4X | Made in Germany

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Cable entry grommet type KDT/ZE+

Variants: 31

Product information

Cable entry grommet for pre-assembled cables in connection with cable entry system KDL/E+

- Approved for railway technology (EN 45545-2 / 3x HL3)
- The grommets are retrofitted around the cable.
- Strain relief even better with simple cable ties
- Thermal stability: -40 °C – +100 °C
- Fire classification: V0
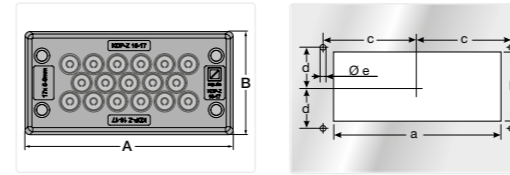- RoHS compliant
- UV resistant
- Made in Germany

Conformities and approvals

UV ISO 4892-2 | RoHS | EU | CSA | UL | RU | Made in Germany

Cable entry plate, round Type KDP/ZR

Variants: 14

Product information

The KDP/ZR cable entry plate is made of modified Polypropylene and is a round entry and fastening system for cables without plugs and pneumatic hoses such as those used in control cabinets, plant or machine construction. Wherever quick assembly is required with high packing density and cables must be protected, the cable insertion system is used.

The special benefits of the KDP/ZR are:

- Enormous time savings in assembly
- High packing density
- Standardized cut-out dimensions
- Large wire diameter ranges
- Very flat design

Conformities and approvals

LABS | UV ISO 4892-2 | RoHS | Made in Germany

ZL strain relief

Variants: 13

Product information

The ZL strain relief plate may be used wherever the strain of cables, hoses, cords, wires or conduits must be relieved or they are to be routed 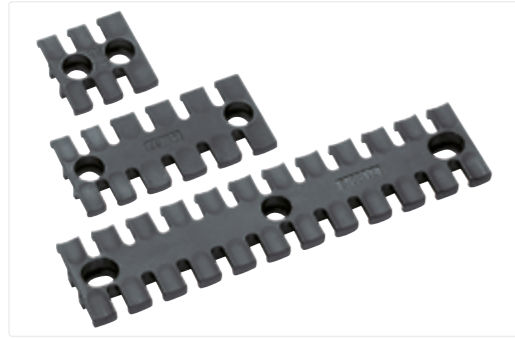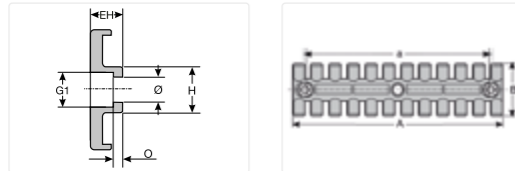in a secure, easy and cost-effective way. The insertion of the ELB insert bushing stops the cold extrusion characteristic of plastic from affecting the secure fixing of the plate. The DH spacer sleeve is required for two-tier mounting.

- Approved for railway technology (EN 45545-2)

Other types are available for mounting on C-rails and profile rails.

Conformities and approvals

HF | LABS | UV ISO 4892-2 | RoHS | EU | GL | Made in Germany

Strain relief type ZL-fix

Variants: 8

Product information

The strain relief ZL-fix may be used wherever cables, hoses, cords, wires or conduits must be relieved or routed in a way that is secure, easy and cost-effective. The strain relief ZL-fix is available in two versions, either for direct screw fastening (flat-head screw M5, not included in delivery) or for fastening on a profile with 10 mm groove width (integrated nut strap).

- Do not constrict sensitive cables such as fiber optic cables or pneumatic hoses
- No-tools fastening hook-and-loop system can be opened and closed infinitely
- Very simple handling
- Variable installation positions

Conformities and approvals

HF | LABS | UV ISO 4892-2 | CLICK | RoHS

KBL cable tie rail
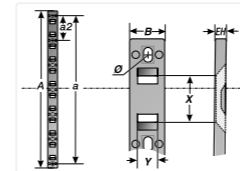
Variants: 2

Product information

Quick and easy fitting of cables.
Cable ties may be pushed on if a rail is already fitted.

Conformities and approvals

LABS | UV ISO 4892-2 | CLICK | RoHS | Made in Germany

Cable protection conduit, type EW-PP
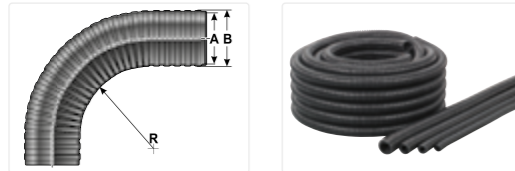
Variants: 22

Product information

The self-extinguishing EW-PP cable protection conduits are made of specially modified polypropylene.
EW-PP cable protection conduits are characterized by excellent chemical resistance and good impact resistance.
The EW-PP is also suitable for static and dynamic applications with medium to high mechanical loads.

Applications:
- Plant engineering
- Mechanical engineering
- Chemical plants

Conformities and approvals

HF | UV | ECOLAB certified | Made in Germany

Cable protection conduit, type EW-R-PP

Variants: 26

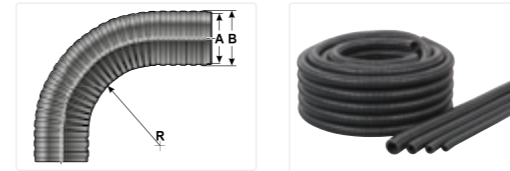### Product information

The EW-R-PP cable protection conduits are made of specially modified as well as elaborately processed recycled polypropylene.
EW-R-PP cable protection conduits are characterized by excellent chemical resistance and good impact resistance.
The EW-R-PP is also suitable for static and dynamic applications with medium mechanical loads.

- Combines environmental protection and quality
- Flexible conduit for simple dynamic applications
- Medium mechanical load
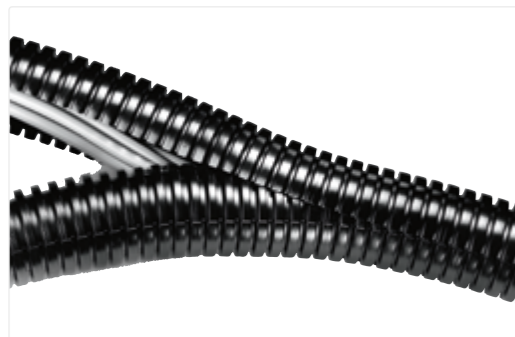- UV resistant
- For mechanical engineering and chemical plants

Conformities and approvals

HF | UV | ECOLAB certified | Made in Germany

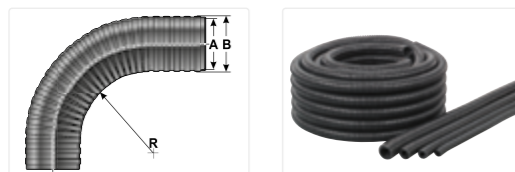## Cable protection conduit type EWT-PP split-flex

Variants: 9

Product information

The EWT-PP cable protection conduits are made of specially modified polypropylene. The material is phosphor and cadmium-free. For static applications involving light to medium mechanical loads.

The EWT-PP cable protection conduits consist of a two-piece slotted corrugated conduit system and feature the following advantages:

- Corrugated conduits can be opened and closed at any time.
- Mounting of pre-assembled cables
- Retrofitting or repair in mechanical and plant engineering

Conformities and approvals

HF | UV | RoHS | Made in Germany

Cable protection conduit, type EW-R-PP-LS

Variants: 9
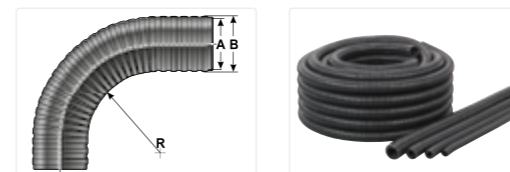
Product information

- Simple, lightweight design - for the installation of pre-assembled cables, retrofitting or even repair of cables.
- Flexible conduit for simple dynamic applications
- Medium mechanical load
- Resource-saving through recycled material
- For mechanical engineering and chemical plants
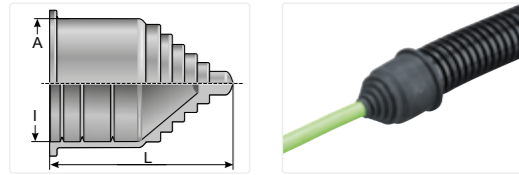
Conformities and approvals

HF | UV | RoHS | ECOLAB certified | Made in Germany

Type ET (end grommet)

Variants: 16

Product information

The type ET end grommet is made of TPE and is used, for example, to close off the open end of a protective conduit, or as centering device for exiting cables.

The end grommet features the following advantages:

- Opening of end grommet variable (depending on the cable diameter used)
- Easy assembly
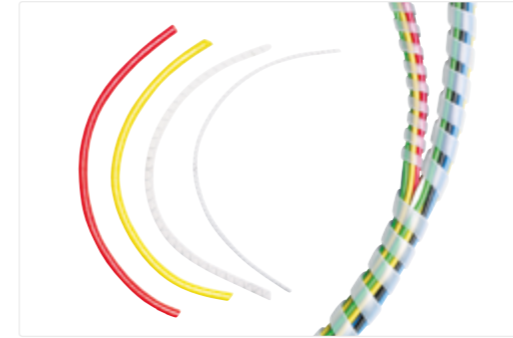- Fixing of end grommet to the cable protection conduit using ribs running round the inside

Conformities and approvals

HF RoHS

Type SB/SBF (Spiral tape)

Variants: 12

Product information

Spiral tapes are used to bundle cable harnesses efficiently and simply. The spiral tapes also protect the insulation of the wires. Branches of single wires or looms of cables may be made at any place. Bundling in the range from 0.08 in – 3.93 in (2 - 100 mm) is possible with just three sizes. The SBF consists of flame-retardant material.

Conformities and approvals

HF RoHS

Type GF (braided conduit)

Variants: 24

Product information

The GF braided conduits are made of specially modified polyamide 6.6. With this material and the special braiding, the conduit is extremely durable and elastic in both the radial and axial directions.
The GF braided conduit is used to bundle and protect a large number of cables and individual wires of all types. The elastic braiding means that configuration of the conduit can be very variable.
The SAT-GF conduit connection serves as an end piece for the braided conduits.

Additional advantages of the GF braided conduit include:

- Very good mechanical and thermal resistance
- Good chemical resistance
- High flexibility
- Very high abrasion resistance

Conformities and approvals

HF RoHS

Cable fitting type m-seal EMC (EMV)

Variants: 9

Product information

With the m-seal EMC (EMV) cable fittings, simple radial and axial movement of the cable are possible, even at contact location. The contact finger surfaces with rounded edges prevent damage to the conductor.
In addition, the large surface on the contact finger makes low contact resistance possible, even on loosely woven cables (the contact area does not press into the conductor).

The m-seal EMC (EMV) cable fitting features the following advantages:

- Large seal and clamping area
- With integrated strain relief
- High protection class IP 68
- High contract rating, even at vibration conditions
- Very simple and rapid assembly without tools
- Suitable for the highest requirements of today's technology
- Very good shielding attenuation

Conformities and approvals

HF RoHS UL ULus ⚠ UL TYPE 4X

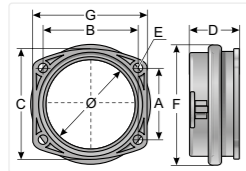## Type SA-Jumbo (flange connection)

Variants: 8

Conformities and approvals

HF | RoHS | cULus | Made in Germany

Product information

The SA-Jumbo flange connections are made of specially modified polyamide. The material is halogen, phosphor and cadmium-free.

The SA-Jumbo flange connections feature the following advantages:

- Split ring makes assembly easy
- Tightness of IP 52 without DS seal
- Tightness of IP 65 with DS seal (DS seal must be ordered separately if required)
- Dimensionally stable connection ring ensures high tear-out strength
- Safety clips ensure protection against connection ring opening by itself
- O-ring for fastening flange included in delivery

Type KFW-Jumbo (90° flange connection)

Variants: 8

Conformities and approvals

HF | RoHS | cULus | Made in Germany

Product information

The KFW-Jumbo flange connections are made of specially modified polyamide. The material is halogen, phosphor and cadmium-free.
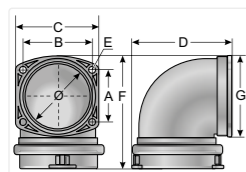
The KFW-Jumbo flange connections feature the following advantages:

- Split ring makes assembly easy
- Tightness of IP 52 without DS seal
- Tightness of IP 65 with DS seal (DS seal must be ordered separately if required)
- Dimensionally stable connection ring ensures high tear-out strength
- Safety clips ensure protection against connection ring opening by itself
- O-ring for fastening flange included in delivery

Laser labeling system mp-LM 3

Variants: 1

Conformities and approvals

Product information

Economical laser labeling system for the automated processes of individual print jobs for the project-specific labeling of most murrplastik plastic labels.

Scope of delivery
- Laser labeling system
- USB cable
- Power cord
- 2 m extraction hose
- Receiving container (catch tank)
- Separator plates for mixed loading (3 pcs)
- Operating Manual
- CD with licensing information

Technical data
- Laser power: 3 watts
- Laser source: Nd:YAG / pulsed
- Wavelength emissions: 1064 nm
- Cooling: Air
- Printable area: 120 x 120 mm
- Operation duration: ca. 52 s
- (1 frame KS 4/18 L, TrueType Arial, 342 characters, 6 ea. label)
- Laser class: 1
- Ports: USB, Ethernet
- Input voltage: 100 – 240 V AC
- Dimensions (HxWxD): 475x795x300 mm
- Weight: 17.5 kg
- Storage temperature: min. 0 °C / max. 50 °C (max. 24h)
- Transport: The unit should not be exposed to shocks or vibrations.
- Operating temperature: min. 15 °C / max. 35 °C
- Humidity: 10 – 85 % without condensation

ELF/P laser label foil premium

Variants: 3

Product information

The double-layer ELF laser label foil is ideal for the production of custom adhesive labels and displays a reliable, permanent adhesion on Polyolefine (PE/PP), slightly oily or powder coated surfaces.

Complete cover of high-contrast base colors. Labeling and cutting is done with a murrplastik laser system.

- Halogen-free polyacrylate foil
- Very good chemical and thermal resistance
- Self-extinguishing after 15 seconds
- Available in various colors
- Custom configuration of the labels
- Forgery-proof: Cannot be detached without destruction

External suction system

For laser inscribing of ELF/T laser label foil, you must scrub the exhaust air or route it outside (observing statutory provisions) as a precautionary measure to ensure that the strong odors that the machine can produce do not endanger the health of employees. An external suction system can be connected directly to the MP laser labeling system using an adapter.
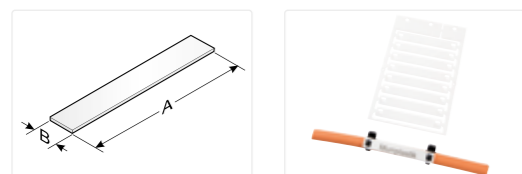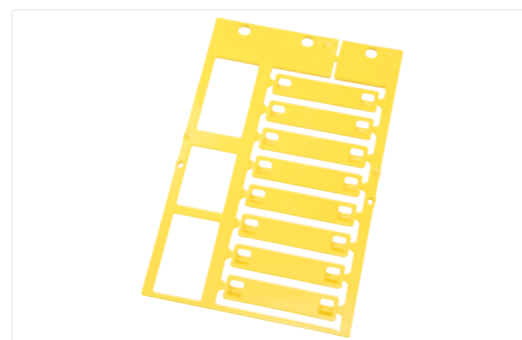
Conformities and approvals

KNC label plate

Variants: 24

Product information

High-quality, halogen-free label for subsequent direct labeling of wires. The KNC label, made of PC materials, was developed for the direct and subsequent labeling of cords and cables. No tools required.
Available in four sizes for wire cross-sections of 2.0 - 7.2 mm.

Conformities and approvals

KSM label plate

Variants: 10

Product information

High-quality, halogen-free label for subsequent direct labeling of wires.
The KSM label, made of PC materials, was developed for the direct and subsequent labeling of cords and cables.
Only cable ties are required for mounting.
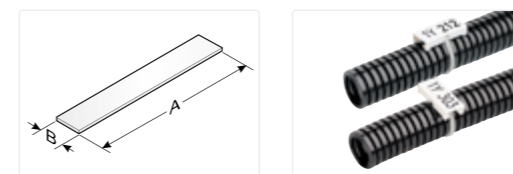
Conformities and approvals

BS Label plate

Variants: 4

Product information

High-quality, halogen-free label plate for single-line and multi-line inscription.
The BS label plate is mounted directly with a cable tie.

BS 5 and BS 5-2 are suitable for lenghtwise mounting.
BS 6 can be mounted lengthways and across.

Cable tie max. width mm: 3
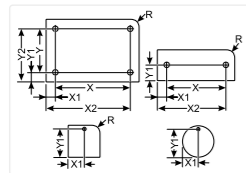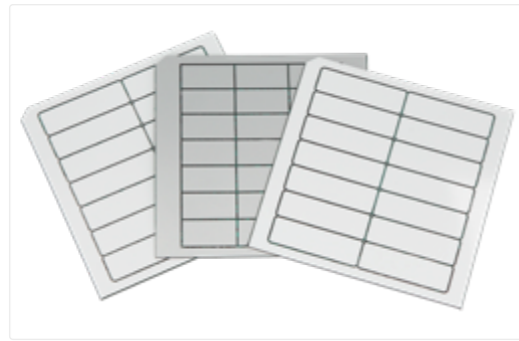
Conformities and approvals

LM Laser Mat

Variants: > 400

Product information

Laser Mat is a double-layer material with a UV resistant, colored outer layer for marking with a murrplastik laser system.

- Custom configuration
- Various colors
- Various geometries and holes/hole patterns
- More than 400 variants available in total
- Three different carrier materials available
- Thickness: 0.8 mm

A suction and filter unit is absolutely necessary to comply with legal regulations on health protection.

Conformities and approvals

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mp-TM EOS2

Variants: 1

Product information

Compact label printer, when room at the workspace is tight. For label rolls up to a diameter of 155 mm.

- Compact label printer
- Simple and clear operation
- Large color touch screen
- Tool-free replacement of wear parts
- Automatic centering of the label roll
- Easy cleaning without additional tools

Scope of delivery
- mp-TM EOS2 label printer
- Power cord
- USB data cable
- Operating Instructions
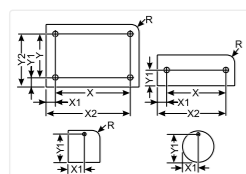- CD (driver with instructions)

Optional accessories
- Cutters
- External unwinder

NOT suitable for ST-BT-H railway technology, taped and ST-ECO heat-shrink conduits.

Conformities and approvals

LAM Laser Alumatt

Variants: > 350

Product information

Laser Alumatt consists of coated aluminum, suitable for laser engraving.
The surface is coated for laser engraving and has very good chemical resistance.
After laser marking with a murrplastik mp-LM series laser marking system the engraving appears in black.

- Custom configuration
- Various colors
- Various geometries and holes/hole patterns
- More than 350 variants available in total
- Three different carrier materials available
- Material thickness of 0.5 mm or 1.0 mm available

A suction and filter unit is absolutely necessary to comply with legal regulations on health protection.

Conformities and approvals

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mp-TM SQUIX 4/M

Variants: 999

Product information

Industrial thermal transfer printer with print head and centered material feed.

Preferred for heat-shrink conduit, labels and KC series materials.

- No print head adjustment for materials of varying widths.
- Also for printing of narrow and thick continuous-feed materials
- Printing speed may be reduced

Scope of delivery
- mp-TM SQUIX 4/M printer
- Power cord
- USB data cable
- Operating Instructions
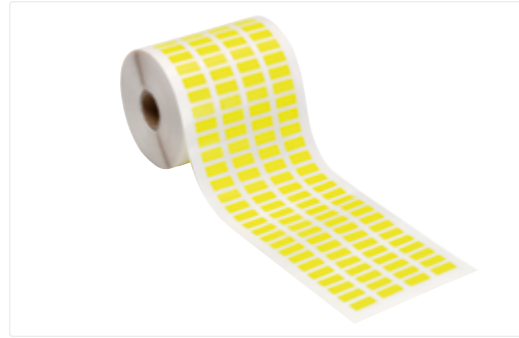- CD (driver with instructions)

Optional accessories
- Cutters
- Perforation blade
- External unwinder
- Internal roller mounting system

Conformities and approvals

TEG - fabric label

Variants: 21

Product information

This self-adhesive, silicon-free, woven nylon fabric is both flexible and tear-resistant. Fabric labels have a surface coating to ensure outstanding color fixing when lettering using thermal transfer print systems and resin- or wax/resin-based thermal transfer ribbons. The permanent acrylate adhesive features high initial adhesion, meaning labels can be processed easily. These labels are especially well suited for marking electrical systems, tagging devices, for adhesion over edges or radii, for cable designations or for use in switching cabinet installations.

TEG - fabric labels are suitable for
- Device identification of all kinds
- Smooth and textured surfaces
- Components with and without curves or corners

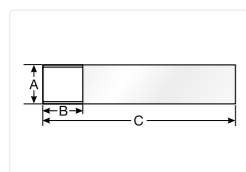Suitable for use with pavonis thermal transfer printers and the mp-TM series (with external unwinder).

Conformities and approvals

TES - self-laminating cable tag

Variants: 15

Product information

These self-laminating cable tags are ideal for labeling cables, cords and wiring. They provide a printable, colored field on the upper edge and can be removed easily from the backing paper after printing. As an additional protection from external environmental factors, the lettering is wrapped with self-adhesive laminate.
In addition, the backing paper is printed with precisely-dimensioned stripes for optimum sensor detection. The special film is only 0.05 mm thick and is highly flexible and supple. This ensures that the cable tag will not peel back up, even when used for cables with small diameters. The high-transparency laminate ensures the printed lettering remains easy to read.

TES - Self-laminating cable markers are suitable for
- Wire and cable labeling

Suitable for use with pavonis thermal transfer printers and the mp-TM series (with external unwinder).

Conformities and approvals

ST-ECO taped

Variants: 34

Product information

Polyolefine (PO) heat-shrink tube, type ST-ECO
Flat, thin-walled heat-shrink tube.
Flame retardant, in accordance with UL224. Shrink ratio 3:1
Particularly well-suited for use in labeling and identification processes.

Properties
- Excellent printing results
- Greatly flame retardant in accordance with UL224
- Ready to use with thermal transfer printers
- Shrink temperature >90°C
- Application temperature -55°C to +135°C

Standard colors: White, yellow
Available upon request: Blue, red, green

Conformities and approvals

ST-ECO continuous

Variants: 21

Product information

Polyolefine heat-shrink tube type ST-ECO continuous-feed
Flat, continuous-feed heat-shrink tube for labeling cables with excellent properties for the thermal transfer method.
This heat-shrink tube is particularly suitable for applications in the fields of switching cabinet construction, shipbuilding and the labeling of wiring harnesses.

Properties
- Excellent printing results
- Greatly flame retardant in accordance with UL224/CSA
- Ready to use with thermal transfer printers
- Shrink ratio 3:1
- Any length of the heat-shrink tube
- Shrink temperature >90°C
- Application temperature -55°C to +135°C

Standard colors: White, yellow
Available upon request: Blue, red, green

Conformities and approvals

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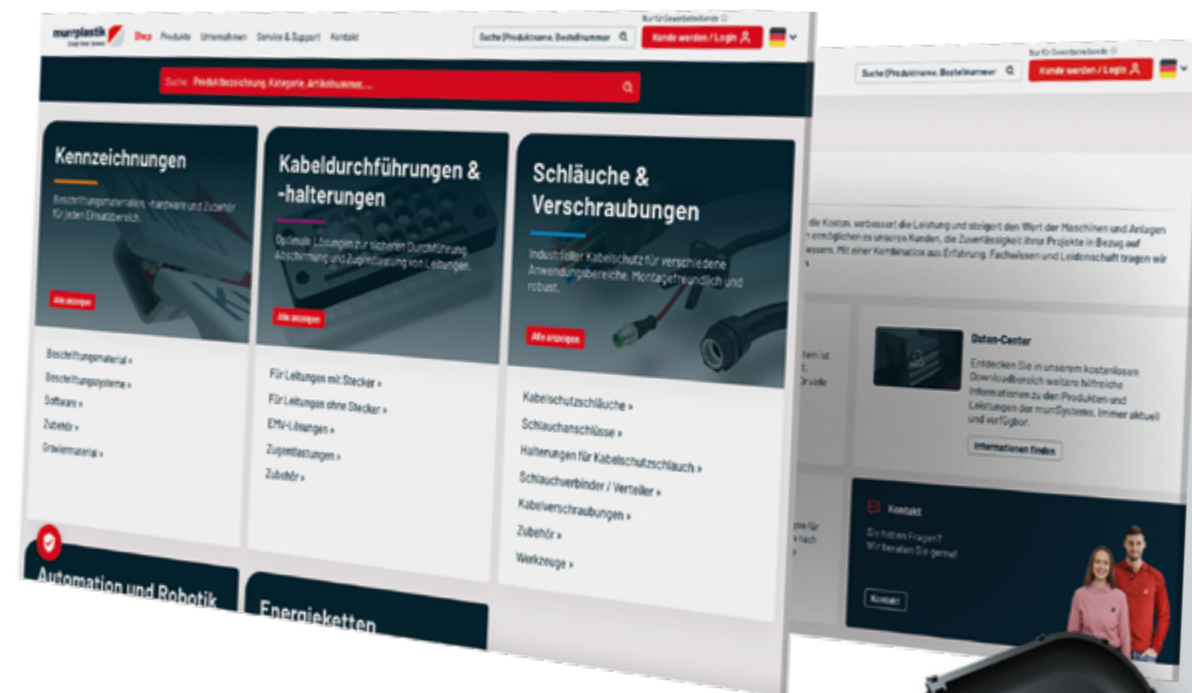
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