

Clear track ahead with Murrplastik

System Solutions for Railway Engineering

Testing to
EN 45545-2:2013
with fire shutoff



Cable entry and cable holding systems



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with fire shutoff

CABLE HOLDING SYSTEMS

Cables and conduits can be fixed simply and quickly in every different area of a vehicle using cable holding systems. The mountings can either be screwed in place or fixed using blind rivets.

CABLE ENTRY SYSTEMS

The cable entry system enables cables and conduits to be inserted, with and without plugs. The cable is inserted with the help of split cable sleeves. These cable sleeves are pushed into a plastic frame. The cable sleeves are available for a wide range of cable diameters.

CABLE ENTRY PLATE

The cable entry plate can accommodate a great number of cables and conduits instead of using cable screw fittings. And in the most compact space!

Very little space is needed owing to its extremely compact design.

These versions are available in aluminium, stainless steel and plastic.

Fire shutoff through an additionally integrated foaming mat.

APPLICATIONS

For interior and exterior applications throughout rail transport systems.

CHARACTERISTICS

- Halogen-free
- Flame resistant
- Self-extinguishing

APPROVALS

- UL 94 V0
- DIN 5510-2
- NFF
- CSA

REFERENCES

- ICX
- Desiro
- Desiro RUS Sotschi
- AM 08, Belgium
- Bombardier Talent 2
- Bombardier Lok Traxx
- Velaro Russia, ICE China
- City railway system Bursa Section B
- Bombardier SBB
- Regional railways
- Thameslink

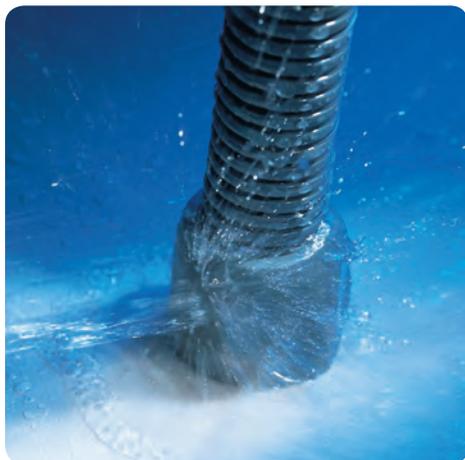
Conduit and fitting systems



CHARACTERISTICS

- Extensive range of products
- IP69 K
- Metal thread
- Easy assembly
- Fittings are delivered ready to install
- Halogen-free
- Flame resistant
- Self-extinguishing

As a **fire shutoff**, a foaming material is integrated in the screw connection.



APPROVALS

- UL 94 V0
- DIN 5510-2
- NFF
- CSA

REFERENCES

- ÖBB Rail Jet
- ÖBB City Jet
- Bombardier bogie



Cable drag chain systems



Testing to
EN 45545-2:2013

CABLE DRAG CHAIN SYSTEMS

Cable drag chain systems allow moving cables and lines to be guided. The different cable drag chain systems can be opened, so that pre-assembled cables and lines can be very simply and easily inserted.

Chains made of a modified material can be manufactured for specific applications in rail engineering.

If required, the cable drag chains can be fully pre-assembled with cables and conduits including plugs.

CHARACTERISTICS

- Halogen-free
- In red, fire classification UL 94 V0

APPLICATIONS

- Door controllers
- Battery boxes

REFERENCES

- Traxx Lokomotive
- Berlin Underground
- ICE 2
- Stadler Dosto
- Eurorunner



Labelling systems



OVERVIEW

All the labelling requirements in vehicles can be provided using our universal labelling systems.

All labels comply with the European standard EN60204.

The labelling material can be inscribed using different types of plotting equipment.

- Flat bed plotter with etching ink
- Thermotransfer marking
- Laser-labelling
- Engraving-labelling
- Ink-Jet-labelling

The individual labels can be produced directly on site. Alternatively, we can provide you with ready-engraved labels.

CHARACTERISTICS

The labels and protective sleeves are manufactured from halogen-free and flame-resistant, self-extinguishing materials. Acc. to EN 45545-2:2013 the materials fulfill class R26 within category EL26.

APPLICATIONS

Labelling of cables and conduits in:

- Driver's cabins
- Main operating converters
- Pivot mountings
- Roofing modules
- Air conditioning components
- Interior switch cabinets and distribution boxes
- Outdoor areas

REFERENCES

- | | |
|--------------------------------|-----------|
| • Velaro China CRH3 | • Desiro |
| • Velaro, Russia | • ULF 151 |
| • Tram lines
Munich, Bochum | • Lyon |
| • Lok Queensland | • DJ 4 |
| • Lok Eurosprinter | • ICX |
| • Stadler Variobahn trains | • Graz |
| • Stadler Tango | • SBB |
| • Renfe, Spain | |

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