



ROBOT CABLE MANAGEMENT SYSTEMS

2019



Depro Group Automation & Engineering Specialists

Cabling protection it's what we know

Depro Group Robot Cable Management Systems

Depro Group supply Reiku protective tubing. Reiku is an equivalent to other known tubing manufacturers and is used extensively in the automotive industry.

Reiku has a varied range of parts to suit all applications and environmental needs and can provide bespoke solutions on request.

Depro has established this product with a host of automotive manufacturers, Tier 1 suppliers to the automotive sector as well as Aerospace, Rail, Robot manufacturers and so many more

Alongside the robotic range of cable management systems Reiku has a range of products for other industrial and domestic applications.

Depro Group has a ll parts normally carry an MOQ due to the nature of the product however the Depro Group offer a call off service where we hold the stock and deliver to you J.I.T.

We are also able to help with selecting the right solution for the right applications should you wish a representative from Depro to attend site please do not hesitate to contact us.

Design for your productivity gain

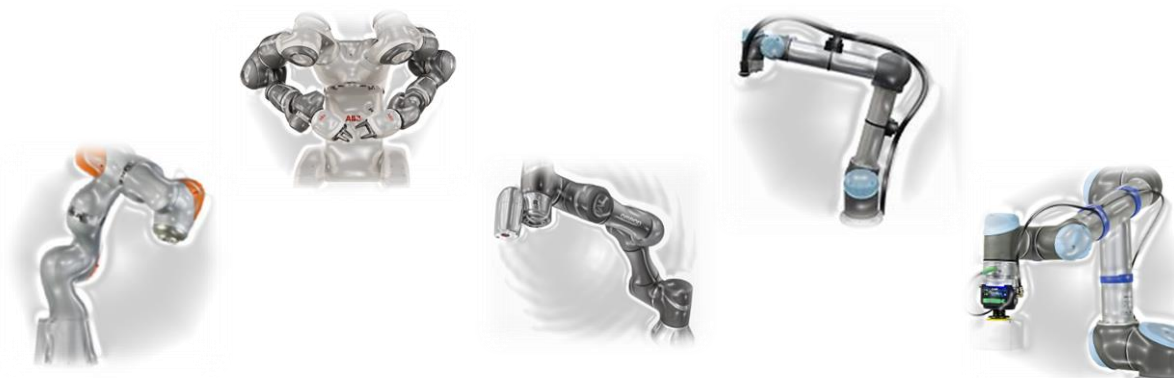
The Depro Group engineering team will design and manufacture a specific robust, cable management system for your robot in any demanding environment with a requirement that requires protection from all the movement, corrosive and non-corrosive elements.

We are ever evolving the material technology for increased flexibility and robust design, to achieve the highest standard in protection whilst maintaining flexibility of the application



Robots & Cobots

We work with all the major manufacturers from heavy payload and high repetition, in demanding environments to the Cobots working with the operative.



Cabling protection, it's what we know

Special Advantage

Due to a combination of robust but flexible cable protection conduits with an easy to assemble quick fit connector, as well as the stackable and joinable system support, a quick and well protected cable system can be produced. Through the special lock of the connectors, adaption is no problem.

The Advantage of the Material

The specially modified and quality of the polyamide material used provides optimal protection for all electrical and pneumatic cabling. The Polyamide 6 is inflammable in nature, coupled with Halogen free flame protection gives it a self-extinguishing nature, with all colouring additives being cadmium free. This means, no toxic, destroying gas or acid are developed from combustion. All corrugated tube are resistant to different solvents and oil, such as boring oil, lubrication oil, ASTM-oil, etc

Flexibility of the tubing

The optimal profile construction allows a small bending radius without any cross-section changes, as the grooves of the corrugated tube are parallel, the connectors can be assembled free of torsion and the connection is vibration resistant.



Industries widely used

- Automotive
- Aerospace
- Rail
- Commercial Vehicle
- Shipbuilding
- Mechanical Engineering
- Foundry
- Robotics
- General Application
- Medical

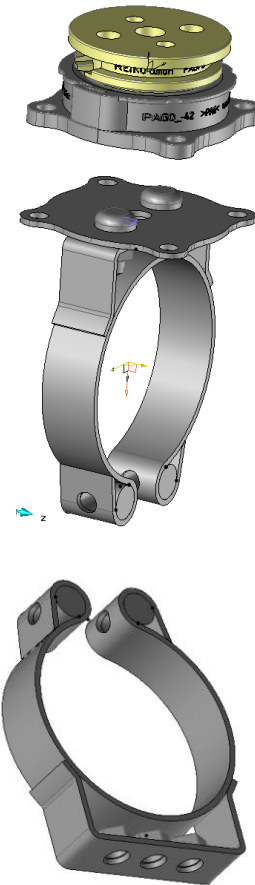


Technical Specification

Material: LSDFR: PA2201/TPU
 MESUR: Stainless Steel 1.4301/EPDM
 Temperature Range: -40°C - +80°C
 Short Term: +100°C
 Color: Black/Metallic
 RoHS conform acc. To Directive 2002/95/WG

Unit	Value	Test
<i>Mechanical</i>	<i>N/mm² 1700</i>	<i>ISO 527-1/-2</i>
<i>Properties</i>	<i>N/mm² 48</i>	<i>ISO 527-1/-2</i>
<i>PA2201</i>	<i>KJ/m² 4.4</i>	<i>ISO 180/1A</i>
<i>Stress E-Module</i>	<i>- 75</i>	<i>ISO 868</i>
<i>Tensile Strength</i>	<i>N/mm² 9-10</i>	<i>ISO 527-1/-2</i>
<i>Notched bar Impact</i>	<i>N/mm² 22-27</i>	<i>ISO 527-1/-2</i>
<i>Shore Hardness D</i>	<i>85</i>	<i>ISO 180/1A</i>
<i>Flame Properties:</i>		<i>DIN 53474</i>
<i>PA2201/TPU</i>	<i>Free of Halogen and Phosphor</i>	

Flame Class Resistance: Alcohol, grease, mineral oil, diesel, benzine, Glycols, weak bases and acids, UV rays



Robot Cable Management Systems

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