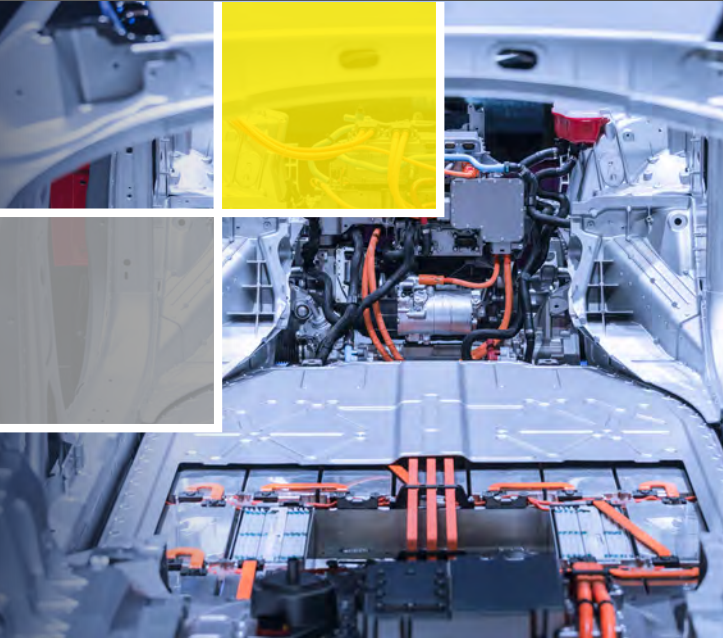


Protection systems for reliable high-voltage applications and wiring harnesses



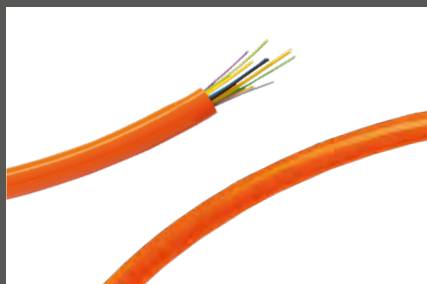
Electromobility, self-driving cars and connected car technologies are ushering in a dynamic transformation. As a result, vehicles are becoming more and more rolling networks, and wiring systems, cables and lines have to withstand increasing external influences.

FRÄNKISCHE Industrial Pipes has been involved in this change from the beginning and is constantly developing cable protection in close collaboration with well-known OEMs, so that in the meantime a broad portfolio of standardized protection products has been created, to protect high-voltage wiring harnesses.

Thanks to the comprehensive range of products and services, which includes different processes, such as corrugated and smooth tube extrusion (with up to 5 layers), blow molding, injection molding, knitting, thermoforming and assembly, FRÄNKISCHE Industrial Pipes is also able to develop solution systems for individual customer needs.

GOS

Glass fiber hose with silicone wrapping



Thanks to the special material composition GOS ensures that no heat can enter from the outside to the inside and that the desired area remains protected.

- reliable protection of sensitive cabling, corrugated tubing or fluid systems
- temperature-resistant –40 up to 210°C
- good chemical resistance
- flame retardant
- small bending radii possible
- ends siliconeable

Crashtex

Polyester fabric hose with impregnation



A high-voltage or even 48-volt electrical system brings many new challenges, such as high impact stress. Crashtex offers reliable impact protection and impresses with its abrasion and cut resistance.

- high mechanical protection of the cables even under heavy stress
- temperature-resistant –40 up to 150°C
- weight-optimized
- high abrasion resistance
- high UV resistance
- good cut resistance (can be cut cold)

Crashtex Lock

Polyester fabric hose with impregnation, self-closing

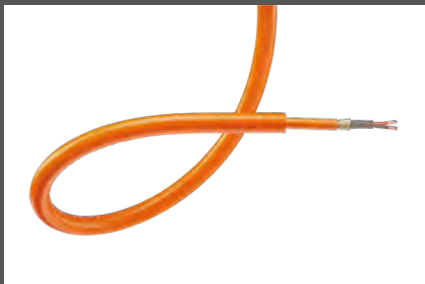


The self-closing variant of Crashtex for all applications requiring subsequent protection or for prefabricated wiring systems.

- high mechanical protection of the cables even under heavy stress
- temperature-resistant –40 up to 150°C
- for retrofit assembly of pre-confectioned wires and automated assembly lines
- weight-optimized
- high abrasion resistance
- high UV resistance
- good cut resistance

GX0/GX0 pro

Aramid knitted hose,
reversely knitted
with special impregnation

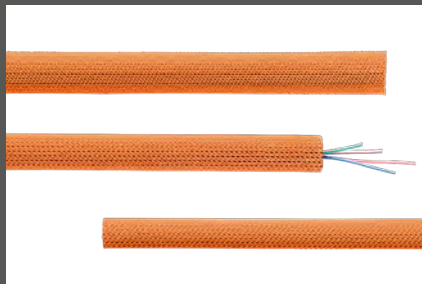


GX0 can protect occupants in the event of a crash. It bundles electrical wires and protects them from damage. The silicone coating of the GX0 pro offers protection against splash water, which prevents short circuits in the event of a crash. Thanks to their flexibility, both products can also be used in narrow installation situations.

- reliable cable protection at high impact protection applications
- temperature-resistant up to 180°C
- quick and easy assembly (smooth inner surface)
- good cut resistance
- no glass
- weight optimized
- small bending radii possible

GA2

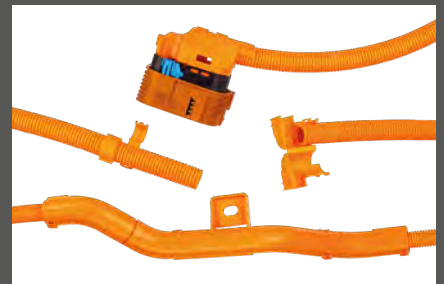
Glass fiber aramid braided hose
with aramid knitting
and special impregnation



Due to its special construction GA2 has the highest impact protection class according to LV-312-3 and can prevent short circuits in the event of damage.

- high mechanical cable protection at highest impact stress
- temperature-resistant up to 180°C
- prevents short circuits in case of damage
- small bending radii possible
- clean section without burrs

Customized corrugated pipe and accessory solutions



Our customized solutions can save assembly steps and connection points, adapt to tight installation spaces and meet a wide range of requirements. The now more than 700 accessories and corrugated tubing comprehensive portfolio covers all requirements of tightness, space optimization, connection challenges.

Individual corrugated pipes and accessory solutions

- with different geometries
- and/or nominal diameter jumps
- in any desired color
- adapted to different space and connection conditions

