



robotic

solutions GmbH
a HEW-KABEL Company

We are your expert
for robotics.



OUR ROBOT LINES

Robot cables for
industrial use.



ROBOTIC SOLUTIONS

Of wires and technology.

robotic solutions GmbH, based in Kamp-Lintfort, is more versatile than you might think. We have been dedicated to robotics for many years now. In doing so, we are always on the lookout for possible improvements. Improvements from which, above all, our customers will profit in the long term. Our team of experienced and motivated engineers, technicians and mechanical engineers is constantly setting new standards. Our sophisticated robot technology can be found, for example, in the automotive and supplier industry. Here, demanding and millimeter-precise work is performed to perfection with the help of the highly sensitive robots. During the work, we are always setting new standards and making our material more precise. For our customers, we not only adapt our fastening elements to all the robots, but also give them valuable extras through special manufacturing processes.

Our mission

We revolutionize robotics! Robots in the automotive and supplier industry are always exposed to high loads.

Due to high wear and tear, maintenance or repairs may be required after only a short period of use. This is not only costly, but also time-consuming. This is where robotic solutions GmbH from Kamp-Lintfort comes into play. Because our goal is to develop durable and efficient solutions in robot technology. We stand for individual solutions and highest customer satisfaction.

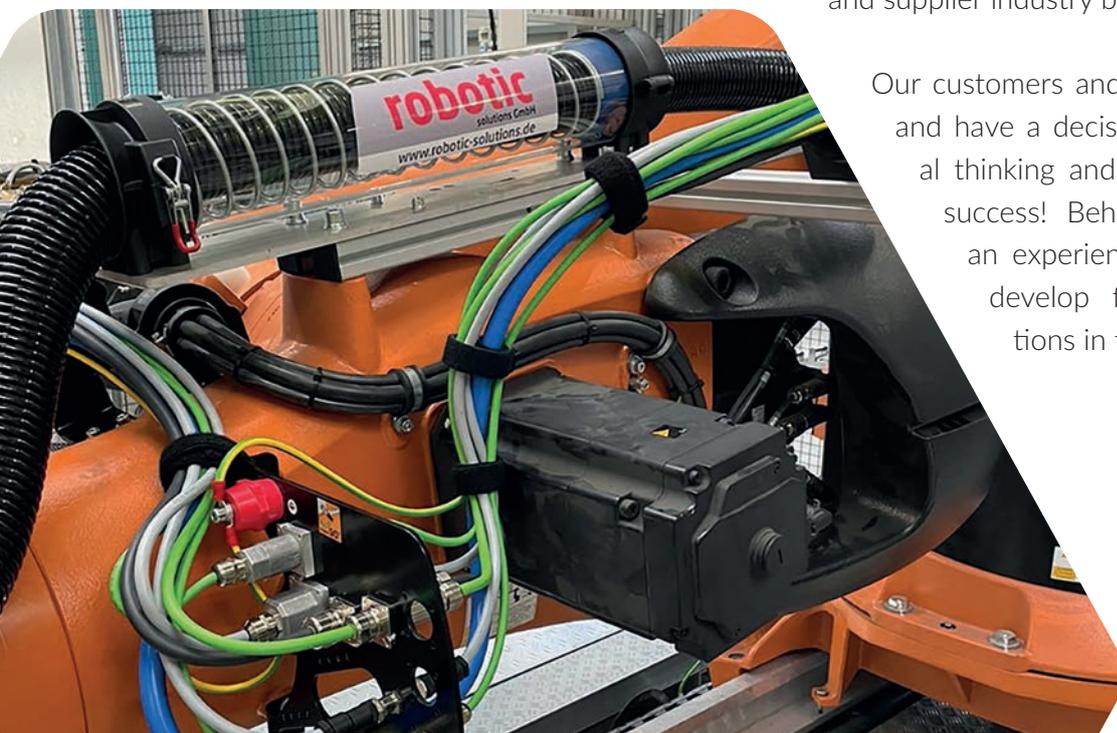
HEW-KABEL - industrial partner for over 50 years

As an international company based in Wipperfurth - near Cologne - we have been developing and producing customer-specific special cables and wires for all industrial market segments for more than 50 years. The focus is on customer requirements in order to meet demands for flexibility, temperature resistance or long service life, for example.

Innovative developments for our future

Choose robotic solutions - we make the components of your robot more resistant than ever before! More resilient, more agile, more durable - these characteristics reflect the versatile products of robotic solutions GmbH. All common robot types in the automotive and supplier industry benefit from our product range.

Our customers and suppliers are partners for us and have a decisive influence on our individual thinking and approach - and thus on our success! Behind the innovative power is an experienced team, which is happy to develop future-oriented system solutions in the field of robotics with you.

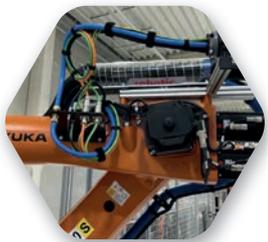


LEVERAGING SYNERGIES

Together unbeatable.

The dress packs from Robotic Solutions are equipped with the ready-made robotic cables from HEW-KABEL!

- Experience Dress-Packs + Experience Assemblies + Experience special cables
- system provider
- External and Internal Wiring
- Strong overall portfolio
- „Everything from a single source
- One contact person
- Joint further development of robotics products



Vertical integration...
...all from a single source!

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Your Solution

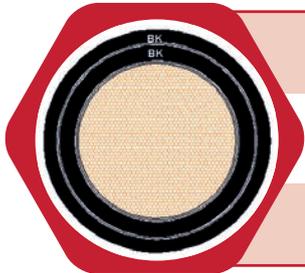
ADDED VALUE

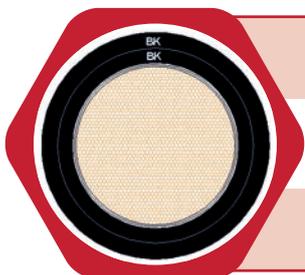
HEW
KABEL 

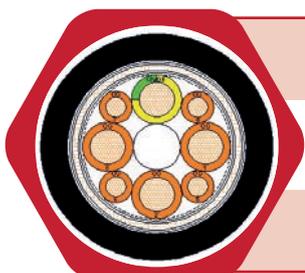
Your Cable

PRODUCT FEATURES

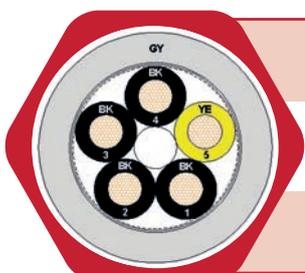
Robot cables for industrial use.

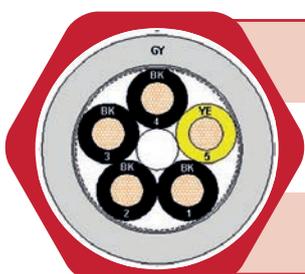
	Type Welding Power	Article-Nr. RS 70901012	Build 1 x 35 mm ²
	Outer diameter 13,4 mm	Sheathing material TPE-U	Sheath color black
	Operating voltage 600/1000 V AC	Temperature free movement from -25°C bis +80°C	

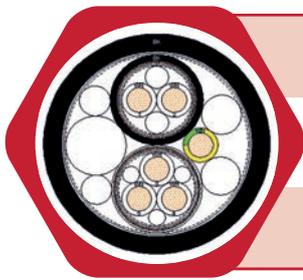
	Type Welding Power	Article-Nr. RS 70901010	Build 1 x 25 mm ²
	Outer diameter 10,8 mm	Sheathing material TPE-U	Sheath color black
	Operating voltage 600/1000 V AC	Temperature free movement from -25°C bis +80°C	

	Type Power Supply	Article-Nr. RS 70901061	Build 4 x 1,5 + 4 x 0,5 mm ²
	Outer diameter 10,2 mm	Sheathing material TPE-U-PUR	Sheath color black
	Operating voltage 600 V AC	Temperature free movement from -30°C bis +80°C	

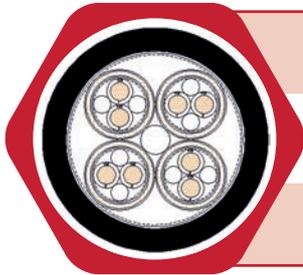
	Type Power Supply	Article-Nr. RS 70901060	Build 2 x 1 + 4 x 2,5 mm ²
	Outer diameter 12,0 mm	Sheathing material TPE-U	Sheath color black
	Operating voltage 600 V AC	Temperature free movement from -40°C bis +80°C	

	Type Power Supply	Article-Nr. RS 70901026	Build 5 x 1,5 mm ²
	Outer diameter 9,6 mm	Sheathing material TPE-U	Sheath color grey
	Operating voltage 600 V AC	Temperature free movement from -25°C bis +80°C	

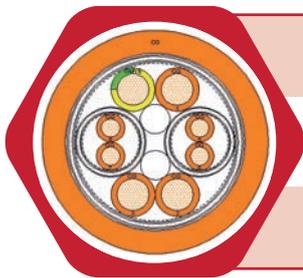
	Type Power Supply	Article-Nr. RS 70901050	Build 5 x 2,5 mm ²
	Outer diameter 10,7 mm	Sheathing material TPE-U	Sheath color grey
	Operating voltage 600 V AC	Temperature free movement from -25°C bis +80°C	



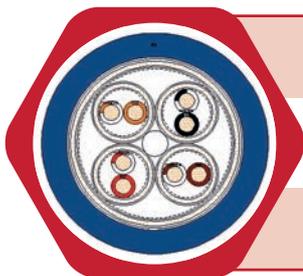
Type Power Supply	Article-Nr. RS 70901033	Build 2x1 + 3x1 + 1 mm ²
Outer diameter 10,6 mm	Sheathing material TPE-U	Sheath color black
Operating voltage 300/500 V AC	Temperature free movement from -50°C bis +90°C	



Type Power Supply	Article-Nr. RS 70901059	Build 4x2 x 0,5 mm ²
Outer diameter 11,1 mm	Sheathing material TPE-U-PUR 108	Sheath color black
Operating voltage 300 V AC	Temperature free movement from -30°C bis +80°C	



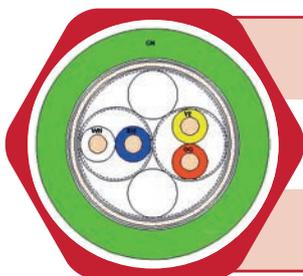
Type Power Supply	Article-Nr. RS 70901058	Build 4x2,5 + 2x2x1 mm ²
Outer diameter 15,0 mm	Sheathing material TPE-U-PUR 108	Sheath color orange
Operating voltage 600 V AC	Temperature free movement from -30°C bis +80°C	



Type Data	Article-Nr. RS 70901057	Build 4x2xAWG 22
Outer diameter 9,0 mm	Sheathing material TPE-U-PUR	Sheath color blue
Operating voltage 300 V AC	Temperature free movement from -30°C bis +80°C	



Type Data	Article-Nr. RS 70901055	Build 6x2xAWG 22
Outer diameter 11 mm	Sheathing material TPE-U-PUR	Sheath color black
Operating voltage 300 V AC	Temperature free movement from -30°C bis +80°C	



Type Data	Article-Nr. RS 70901021	Build 2x2xAWG 22
Outer diameter 7,4 mm	Sheathing material TPE-U	Sheath color green
Operating voltage 300 V AC	Temperature free movement from -25°C bis +80°C	

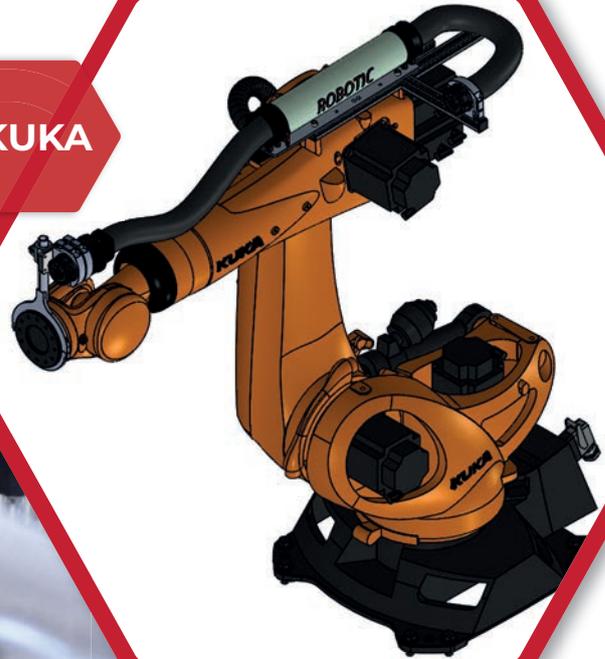


Type Data	Article-Nr. RS 70901047	Build 4x2x0,25 + 2x2x0,5 mm ²
Outer diameter 10,8 mm	Sheathing material TPE-U	Sheath color black
Operating voltage 300 V AC	Temperature free movement from -25°C bis +80°C	

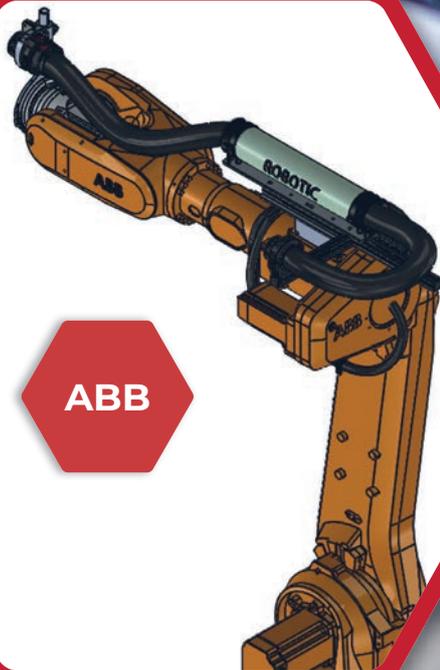
WE ARE COMPATIBLE

One system box for all industrial robots.

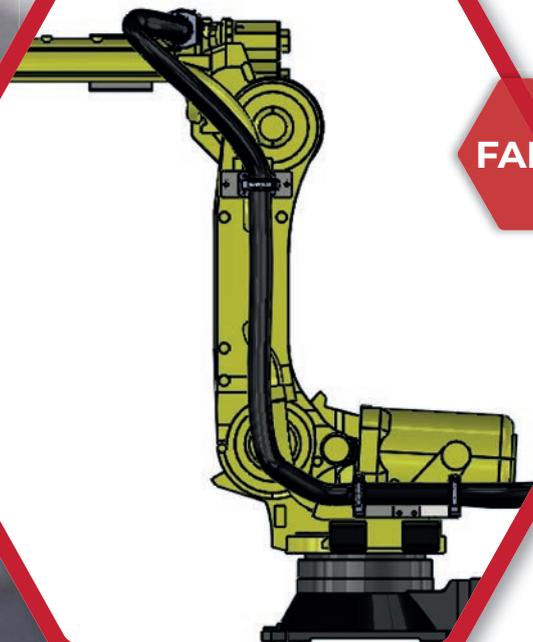
KUKA



ABB



FANUC



HOSE PACKAGES/ACCESSORIES

Together unbeatable.

System boxes

System boxes for hose sizes NW 36 to NW 70. With the system box we offer you a system for the optimal guidance of energy packs with length compensation from axis 3 to axis 6 for industrial robots. In the specially manufactured housing with the integrated and unique spring return system, the energy package is guided safely, with low wear and effectively in the smallest possible space.

Cable protection hoses

Our cable protection hoses are specially designed for robotic applications where extreme movements have to be performed regularly and quickly. The special corrugated geometry offers improved properties: Extremely small bending radii with extremely high flexibility and extreme bending fatigue strength. In addition, high abrasion resistance and high peak compressive strength. Also available with longitudinal slot.

Media hoses

Reinforced, two-ply, self-clamping polyurethane hoses for industrial applications. These hoses are specially designed for equipping robots and machine components. They are particularly suitable as a transfer medium for water, air and various gases.

Robot cables

An overview from our delivery program:

- Primary cables
- Control cables
- Interbus and multibus cables
- Cables for screwdriver systems
- Fiber optic cables

- Adaptable to many different robot types
- Fast and easy assembly
- Quick change of the energy supply system, easier
- Replacement of the spring assembly
- Minimal operating noise



- Robots
- Handling systems
- In energy guiding chains
- Vehicle construction
- rail transport technology



- free of substances that interfere with paint wetting
- silicone-free
- UV-resistant
- flexible at low temperatures
- Durably resistant to oils, oxygen, ozone, acids and diluted alkalis



- Servo, encoder and motor cables
- Water-cooled single-conductor cables
- High temperature resistant cables
- Special cables



OUR COMPANY



Prepared for every order. Our high-quality materials are precisely adapted to your requirements. With high-quality cable protection systems, your robots will permanently withstand the most demanding fabrications.



More **information**
on our website.



Address

robotic solutions GmbH
Carl-Friedrich-Gauß-Str. 7
47475 Kamp-Lintfort



Contact

+49 (0) 28 42 / 21 946 60
+49 (0) 173 / 31 21 400
t.ocken@robotic-solutions.de



Website

<https://robotic-solutions.de/>