



Bring your machine to life

Connectors and cables for every application



Your one-stop shop for high quality connectors and cables

Connectors and cables are the lifelines of your machine.

Every reliable connection makes the difference **between downtime and predictable productivity.**

That's why we offer the widest selection of 100 % tested connectors and cables in every shape, color and size. And if your perfect solution doesn't exist? We'll make it.

500+ **80,000+** **from 1 piece**

different cable types

variants – the right solution for every application

available in small quantities



Signal

From sensors to actuators, we offer standardized solutions that work perfectly with your machine.



Data

360° fully shielded M12 and RJ45 data connectors that work without interference even at high speeds. Reliable data transmission under the most demanding EMC conditions.



Power

High-performance power transmission solutions. Whether it is M12 Power, MQ15, 7/8" or M23, we always provide reliable and safe transmission.

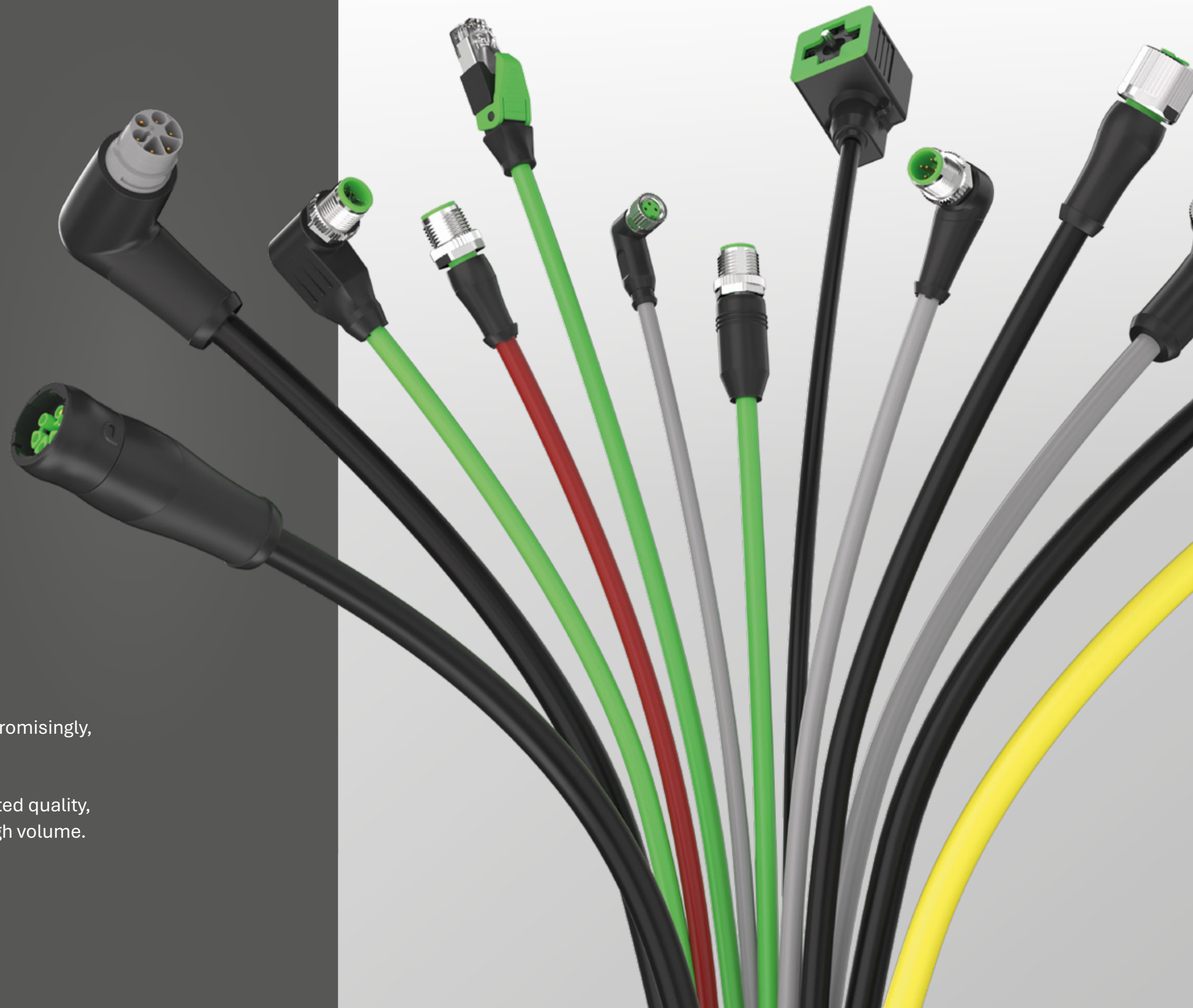
Durable connectors

Pre-assembled, molded,
100 % tested.

The right connector for every need –
anytime, anywhere.

That is our promise to you, and we keep it uncompromisingly,
thanks to our four global manufacturing facilities.

We insist on superior workmanship and 100 % tested quality,
so you can count on every connection – even in high volume.



Connections that last. Reliable in harsh industrial environments.

Every component of the connectors is designed for durability, ease of use and uncompromising performance, no matter what the operating conditions are.

Visual feedback

The green contact carrier is visible when the connector is correctly and firmly mated.

Integrated vibration protection

Reliably secures connector head against shock and vibration.



Protective conduit adapter

Allows quick and easy installation of standard conduit for additional mechanical protection.

PUR overmold

Protects connector head from mechanical stress and environmental conditions.

Coding arrow

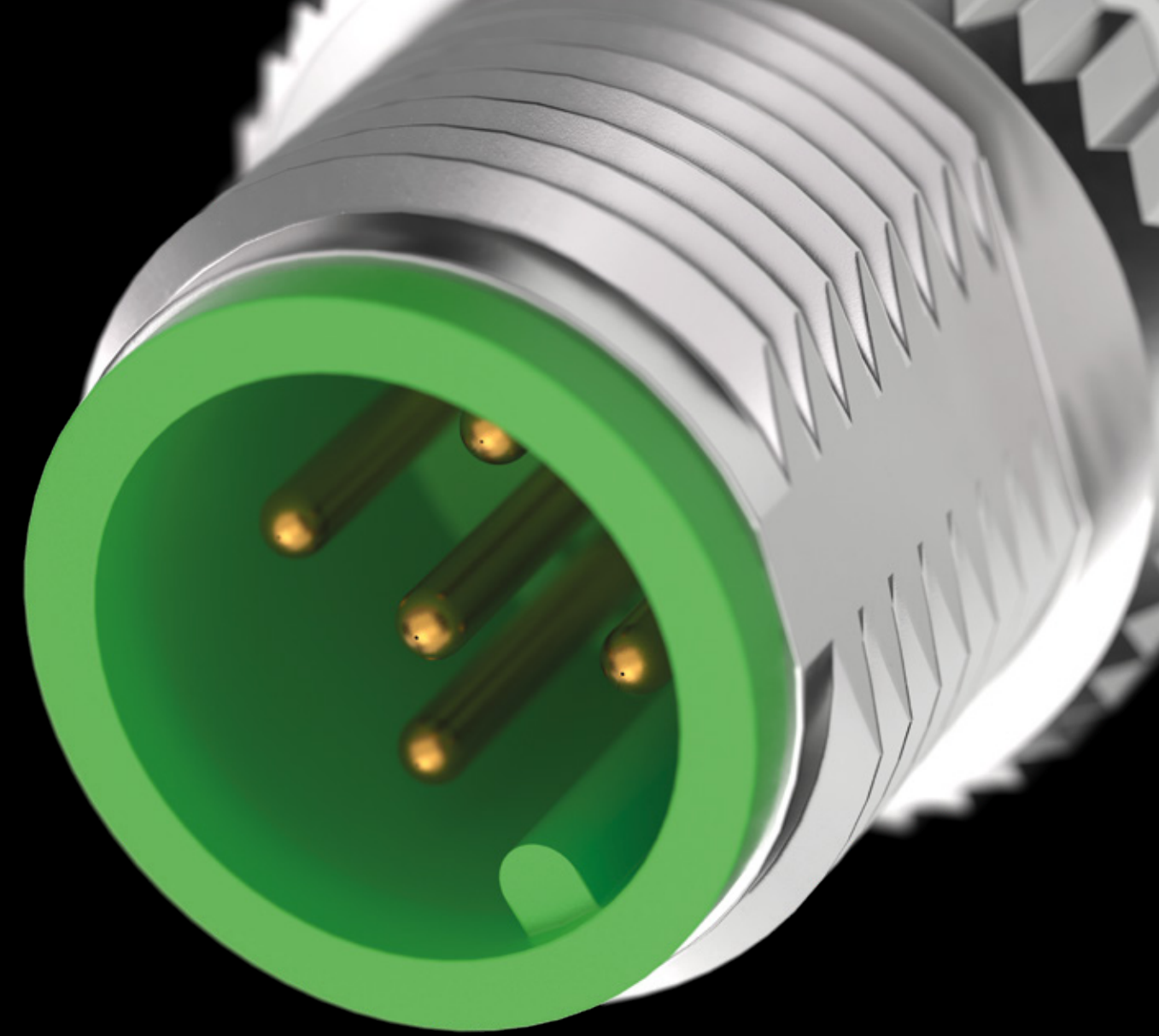
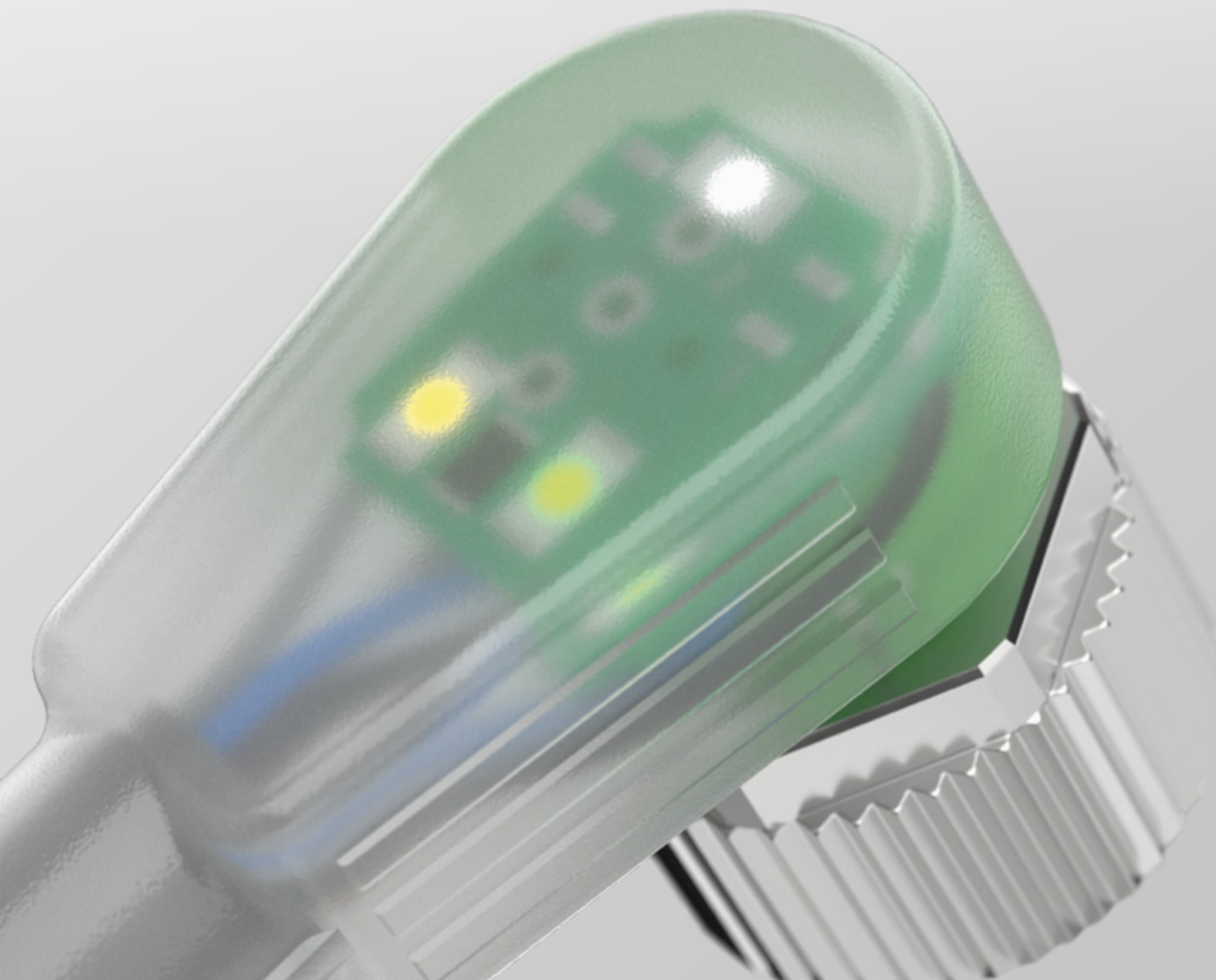
For faster installation thanks to simple positioning of the coding.

Knurled hexnut

Knurled surface for quick manual assembly and hex surface for precise tightening with a torque wrench.

Three-color LED status indicator

The 3-color LEDs (green, yellow, white) are standard on our wired connectors with LEDs and show you system and signal status at a glance. Giving you a complete overview. For easy monitoring of your system.

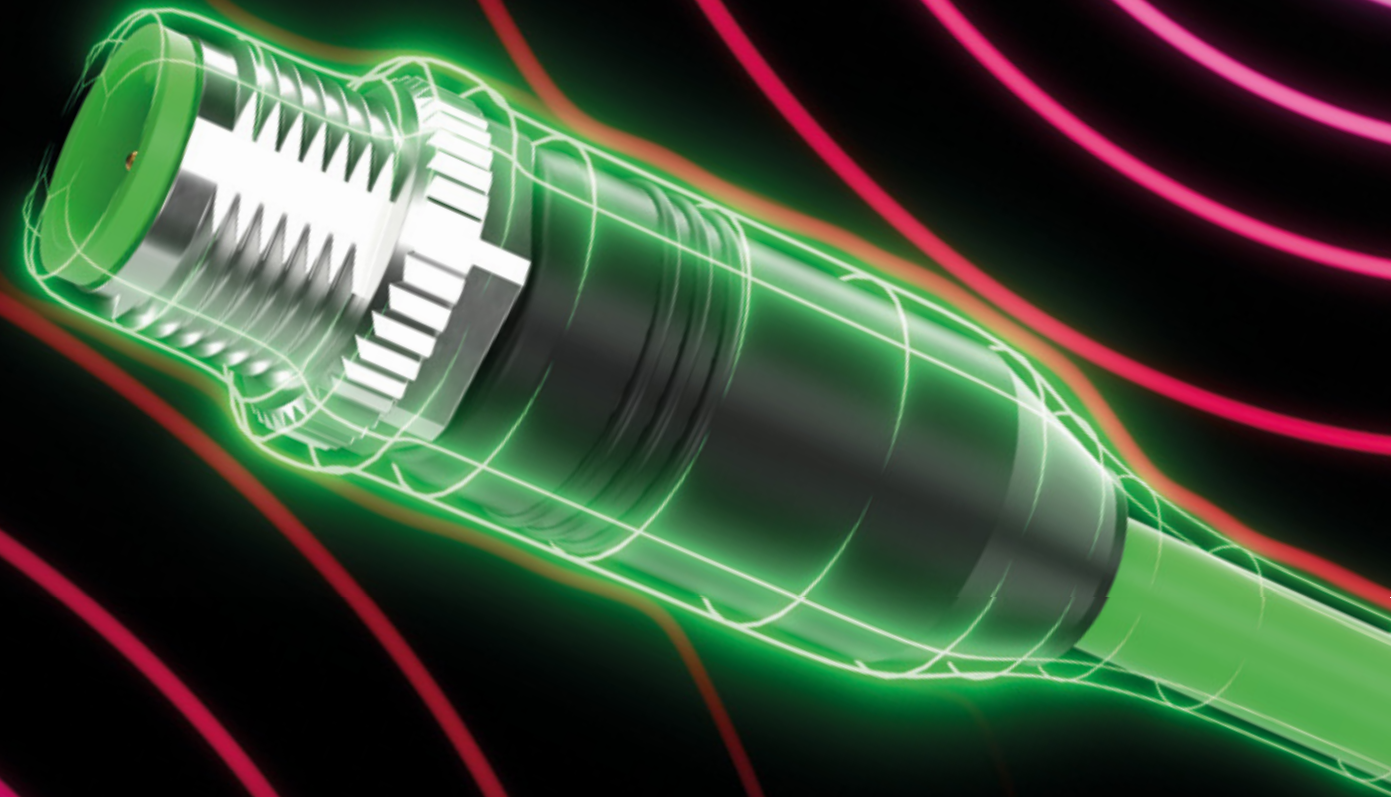
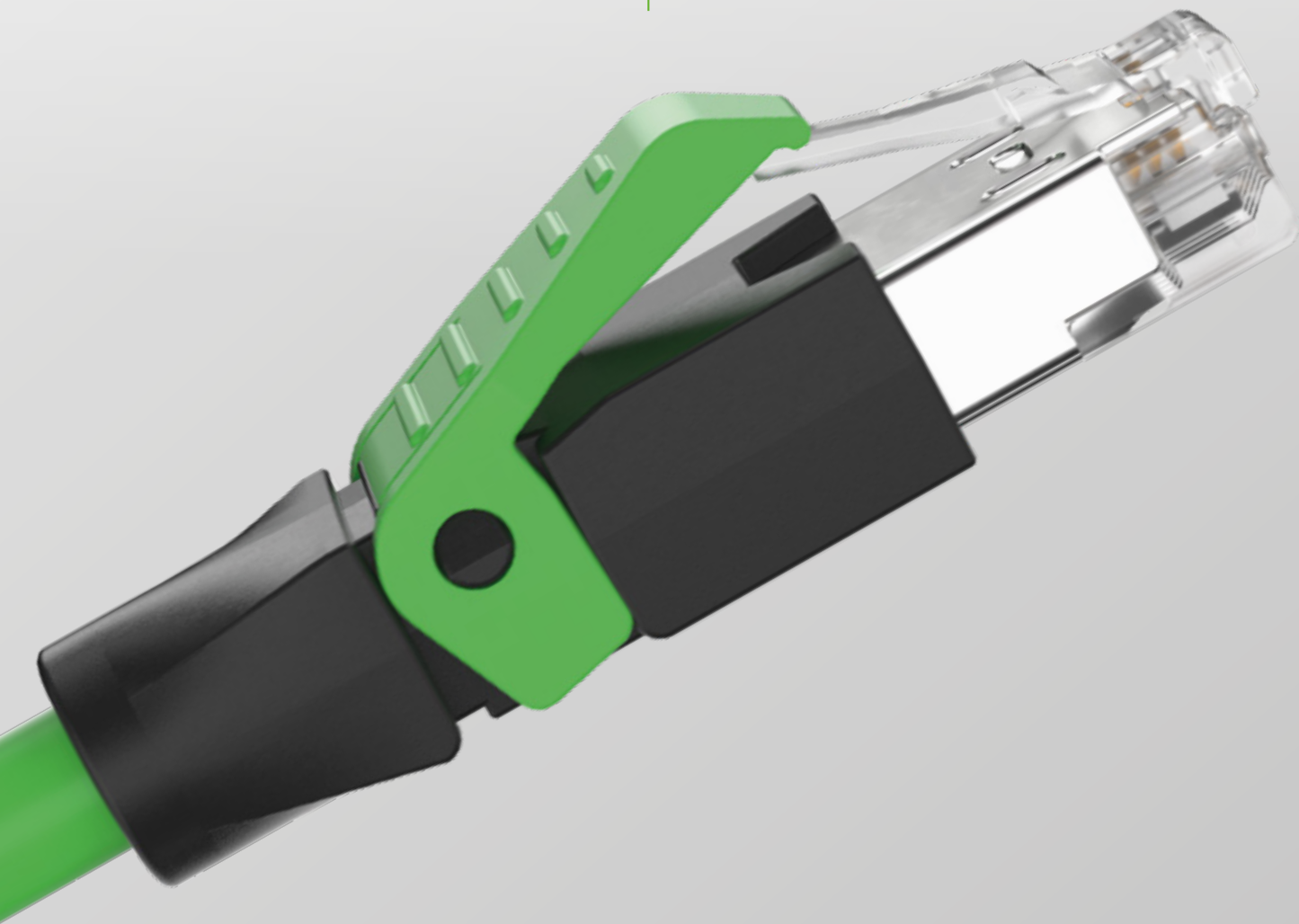


Gold plated contacts

They minimize contact resistance and reduce self-heating. This ensures stable, reliable contact for lasting performance in any environment. For superior conductivity and durability.

Easy to use

The easy handling of our connectors ensures time-saving installation, easy maintenance and a long service life. Our RJ45 plug, for example, has an innovative release mechanism that makes it easy to disconnect at any time, regardless of the installation situation.

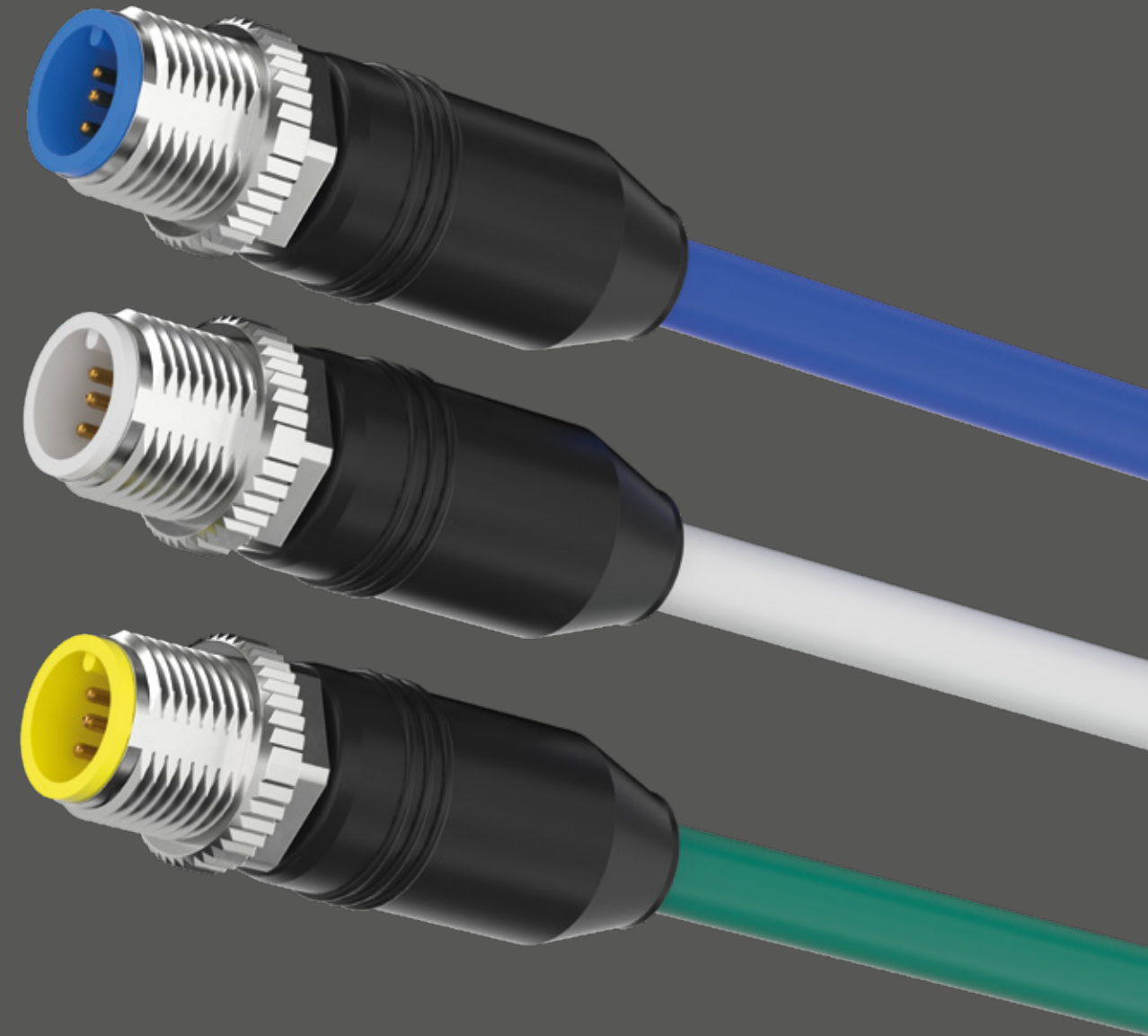
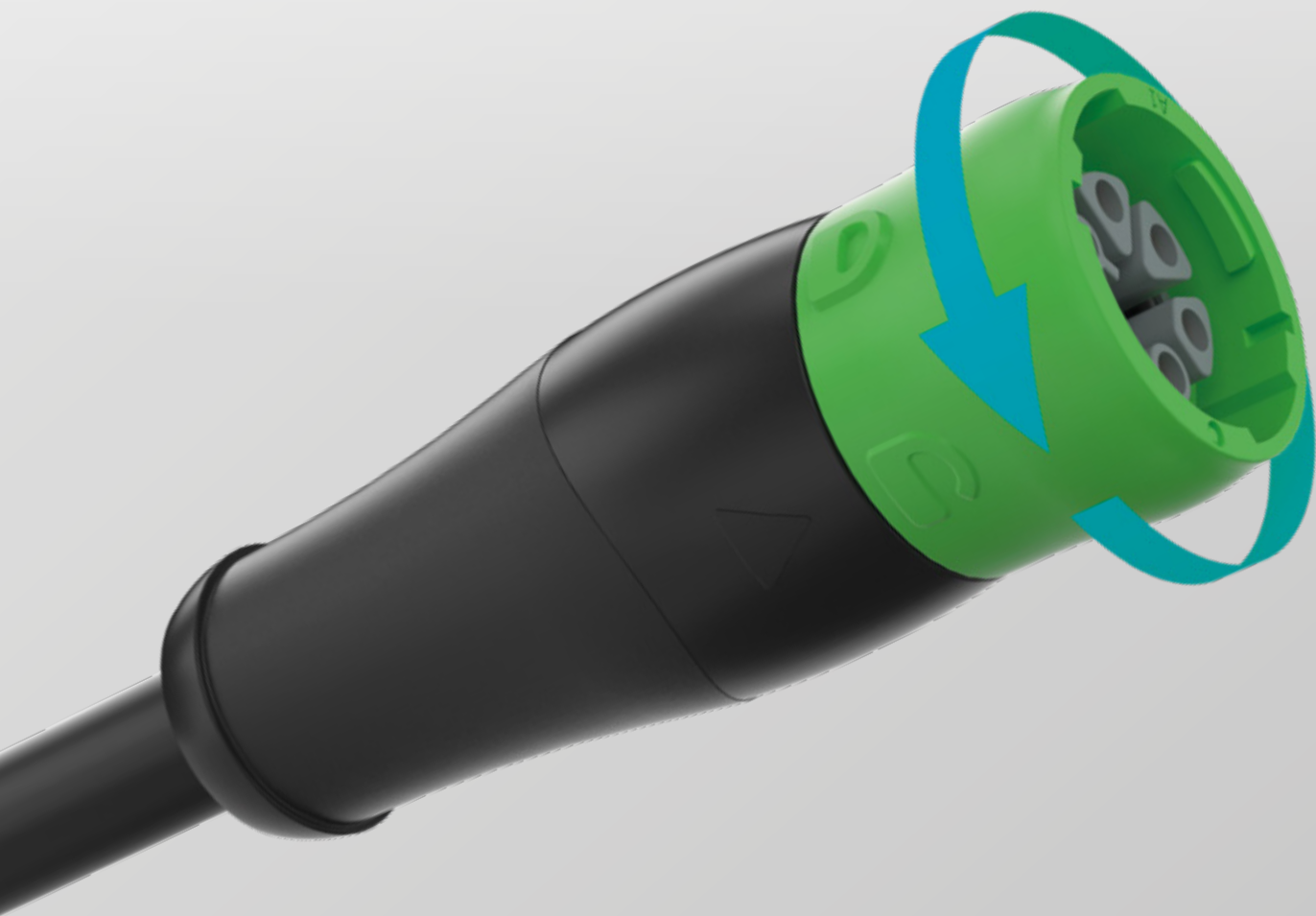


360° shielded connections

Protection against electromagnetic interference, even in high EMC risk environments. Our unique 360° full shielding ensures interference-free data transmission and maximum efficiency of your systems.

Quick locking

The quick-locking mechanism saves you valuable assembly time. With just a quarter turn, you can make reliable, vibration-resistant connections, such as our MQ15 connectors.



Customized connectors

We also offer customized solutions that go beyond the standard.

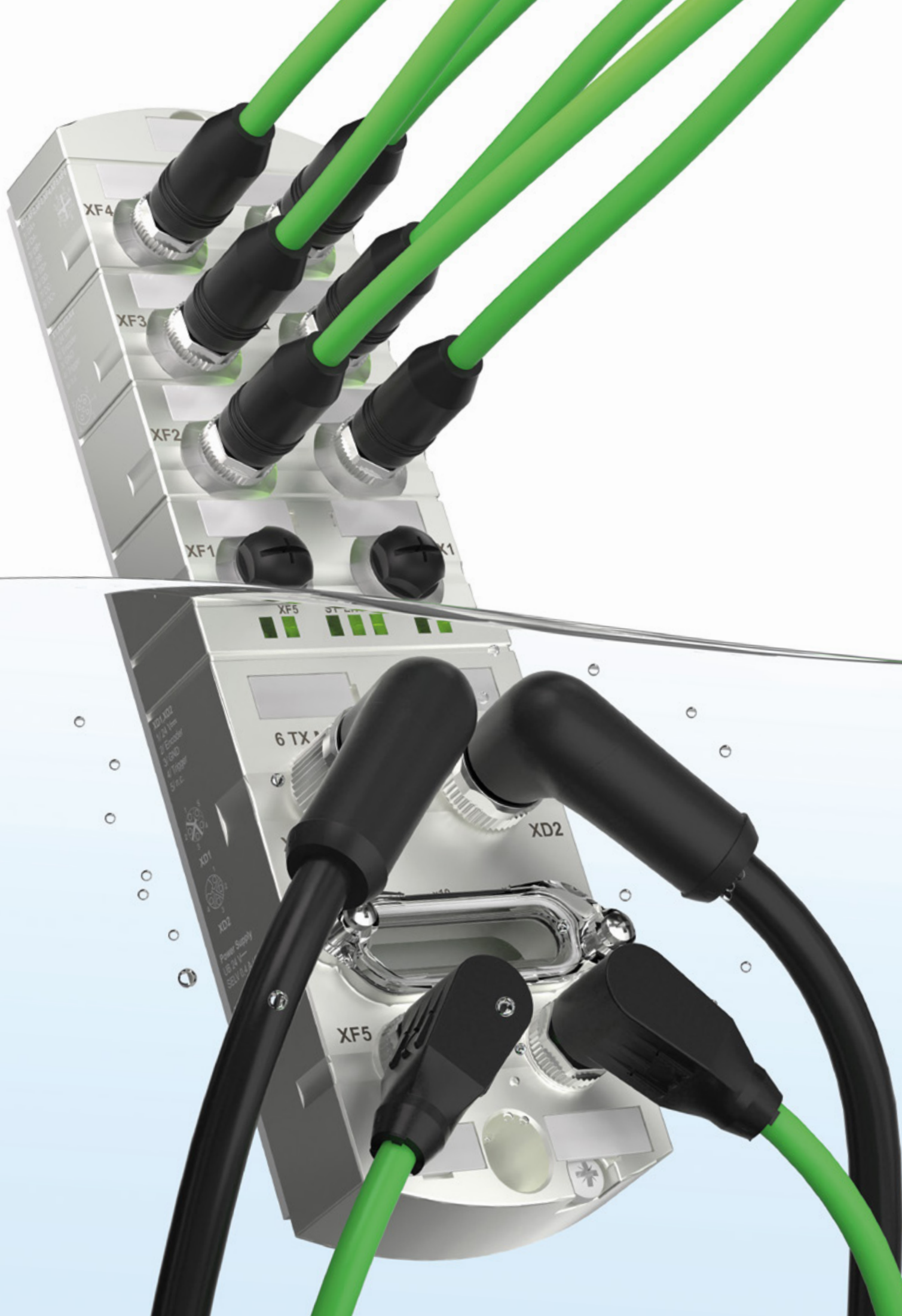


Torque wrench – a connection that is truly tight.

Imagine changing your wheels before a 120 mph highway trip.
Is “the connection is probably secure” good enough for you?
Or do you want to be 100 % sure?

A torque wrench gives you that 100 % certainty.
The principle is simple: turn until you hear an audible click.
This will help you even with fully loaded IO blocks.





IP65/67 – robust and reliable in harsh environments.

Our connectors and cables are designed to perform reliably in harsh industrial environments. With us, you can be sure that your system will always run smoothly, efficiently and for a long time.

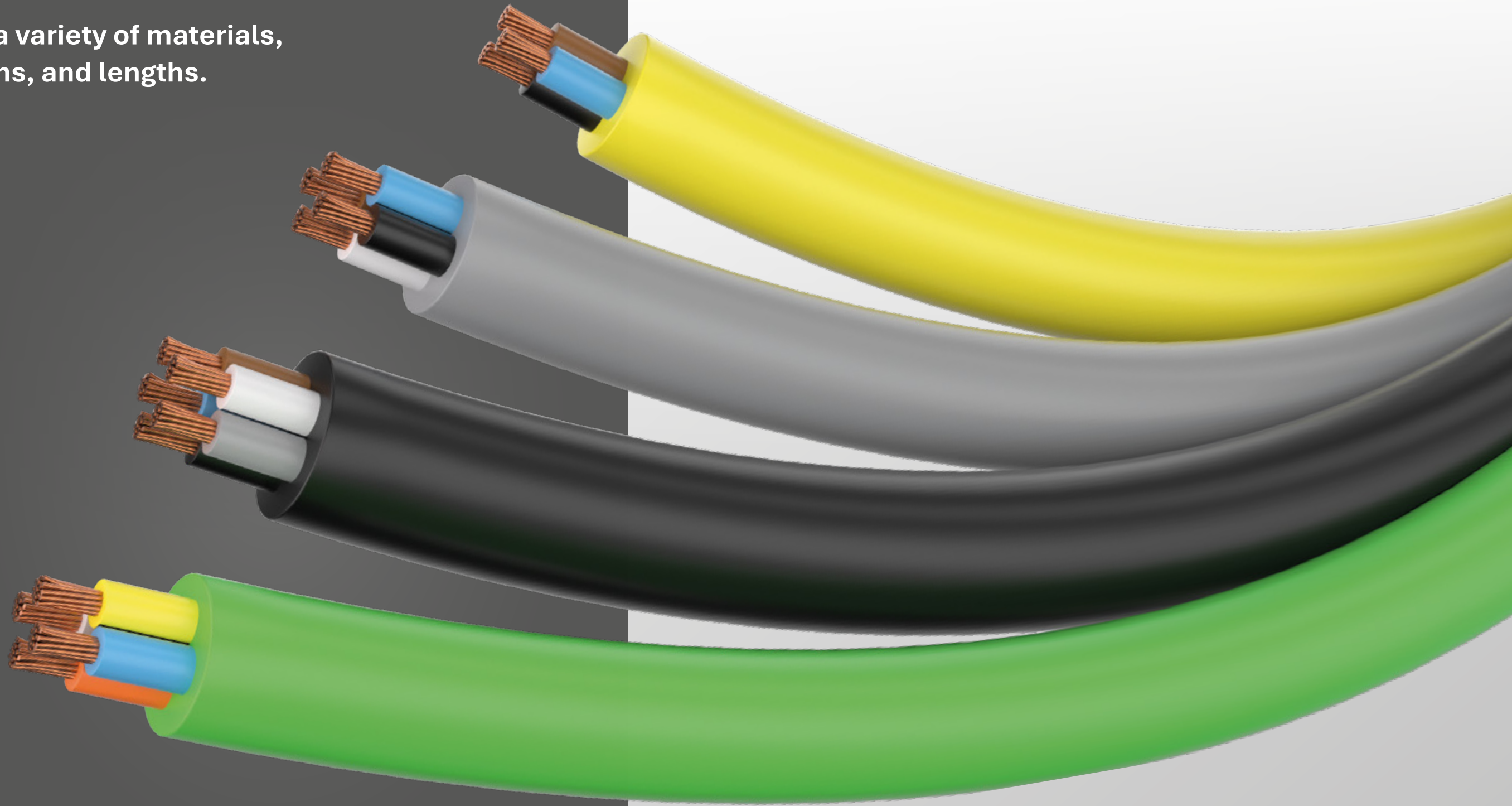
The connectors use an O-ring sealing principle that, when properly compressed, protects against the ingress of water, oil, lubricants and other fluids.

Assembly with our torque wrench ensures that the O-ring is compressed with optimum force.

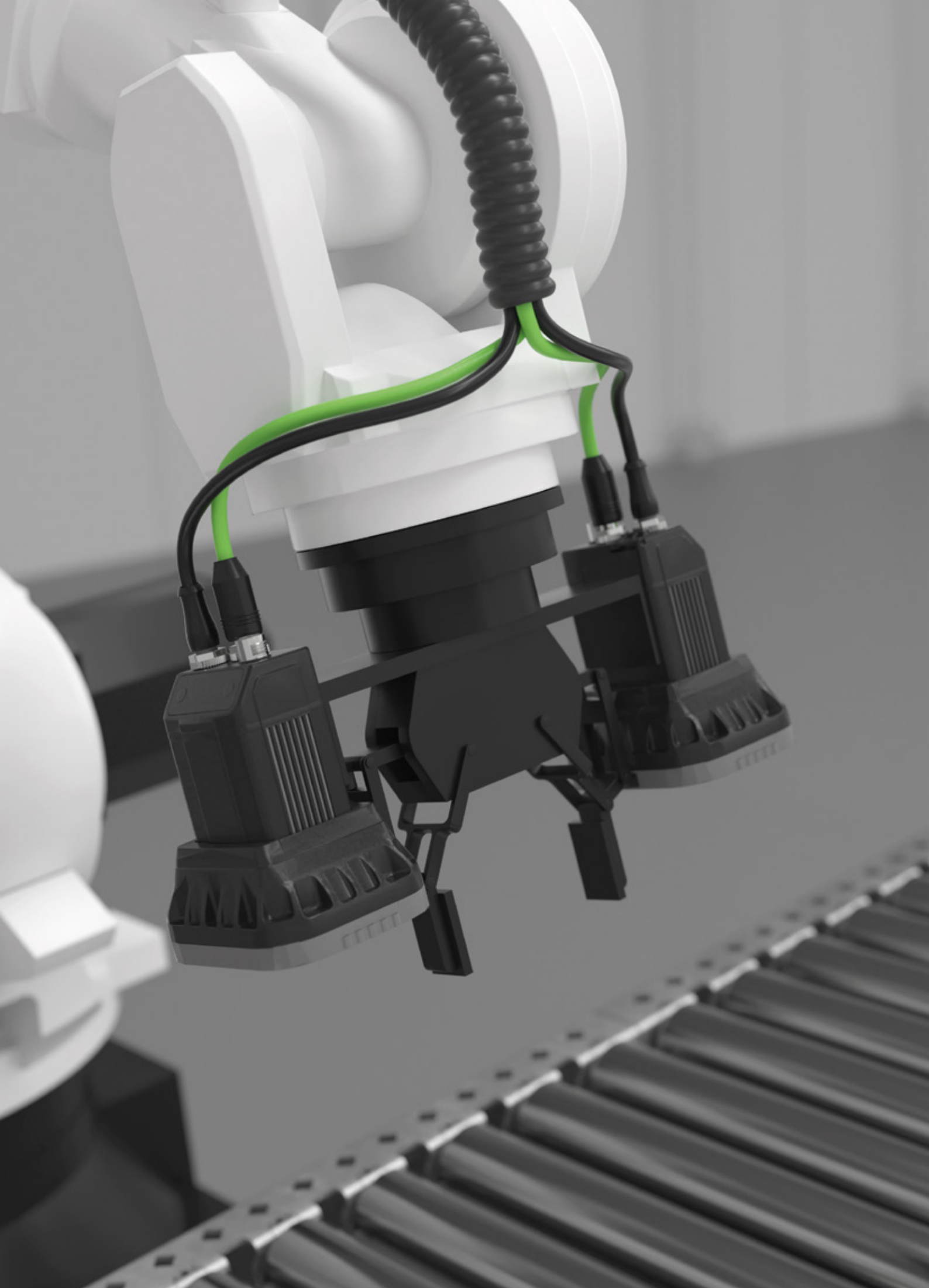


Robust Cables

Available in a variety of materials,
cross sections, and lengths.



We offer cable types for every application.
Whether 30 cm or 100 m, you can get any
length in quantities as small as 1 piece.



Cable types for every application.

From cost-optimized PVC cables to highly flexible, welding-spark-resistant PUR cables ideal for robotics and drag chains, we have the right solution.

We also offer a comprehensive portfolio of standard TPE cables for the US market. Additional solutions are available for more demanding applications, such as FEP for high temperature applications or PP (TPE-S) for the food industry. Anything is possible with us!

Materials

PVC

TPE

PUR-drag chain

PUR-robot

FEP

FRNC

Lengths

0,3 m – 100 m

Cross sections

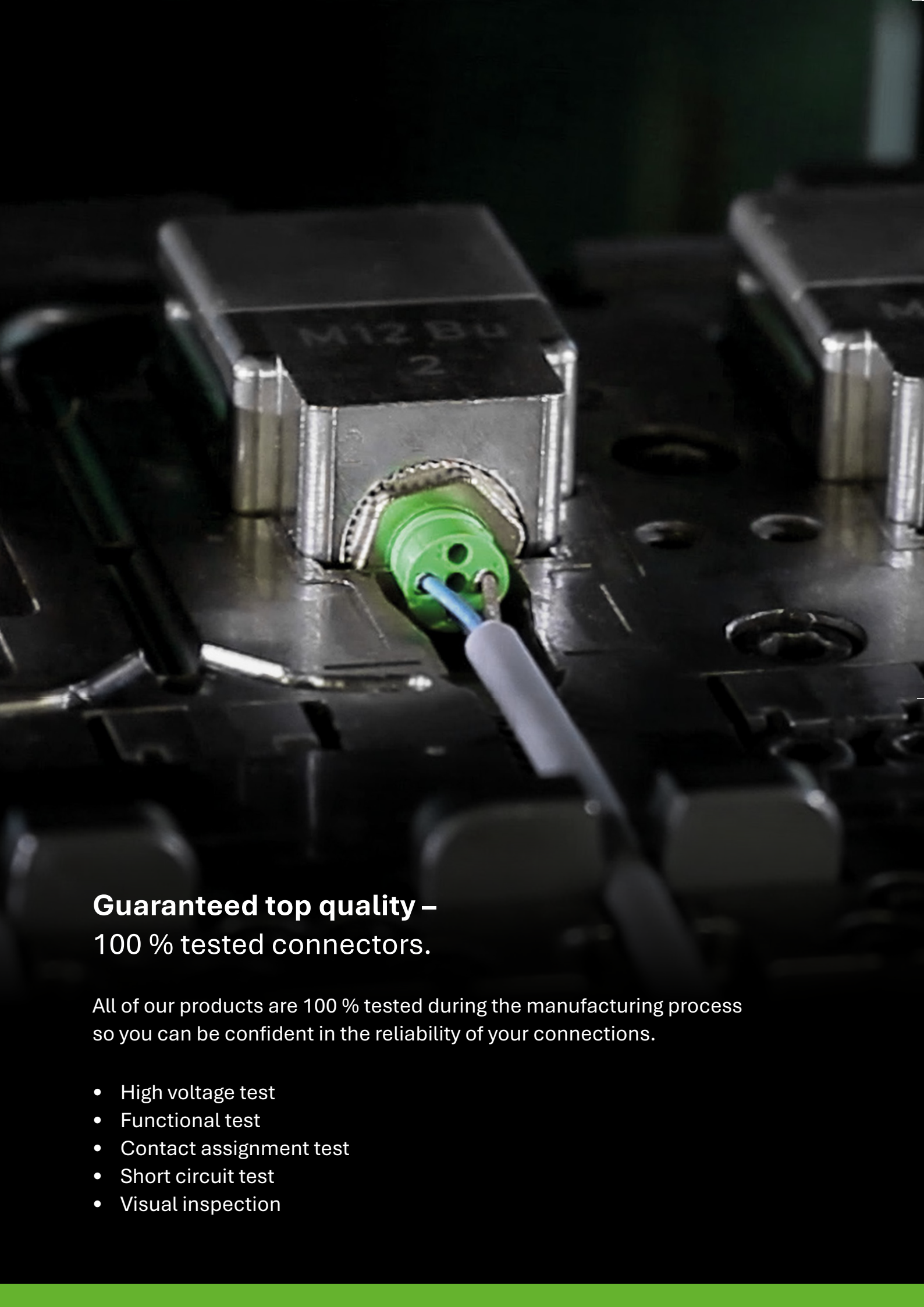
0,14 mm² – 2,5 mm²

Standard colors



More colors





Guaranteed top quality – 100 % tested connectors.

All of our products are 100 % tested during the manufacturing process so you can be confident in the reliability of your connections.

- High voltage test
- Functional test
- Contact assignment test
- Short circuit test
- Visual inspection

Certified and standardized for global use.

Our connectors and cables are fully compliant with internationally recognized IEC standards.

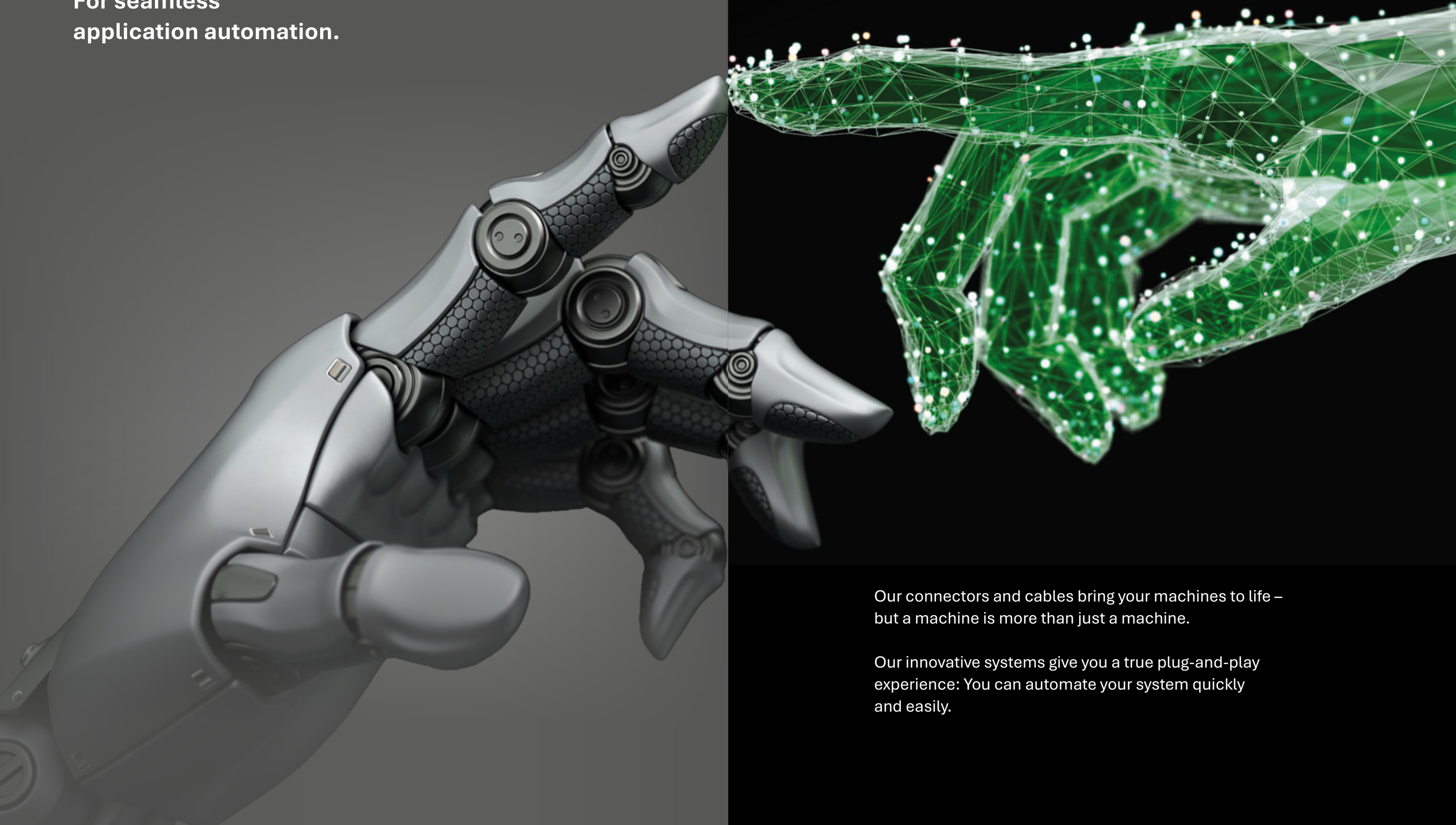
They also have all the necessary approvals – such as UL and CSA for the North American market – to ensure the highest levels of safety and reliability worldwide.



Our in-house accredited testing laboratory regularly ensures that our products meet all requirements.

Seamless Systems

For seamless
application automation.



Our connectors and cables bring your machines to life –
but a machine is more than just a machine.

Our innovative systems give you a true plug-and-play
experience: You can automate your system quickly
and easily.



Bring your machine to life.

Connectors and cables form the solid backbone of your electrical installation – but it is only when they interact with other components that an intelligent overall system emerges.

When all the components work together seamlessly, the result is more than the sum of its parts: it is the essence of efficiency, reliability and smart progress.

Control Systems

PLC and IPC with Vario-X.



Supply & Distribute

Decentral and cabinet-free.



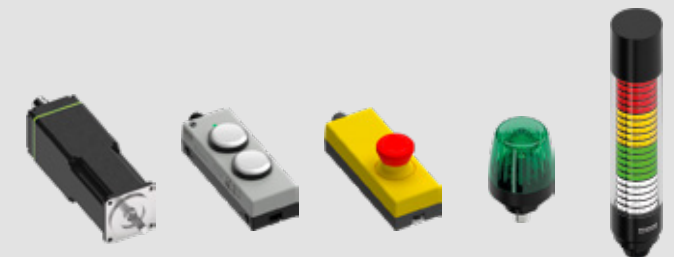
Connect

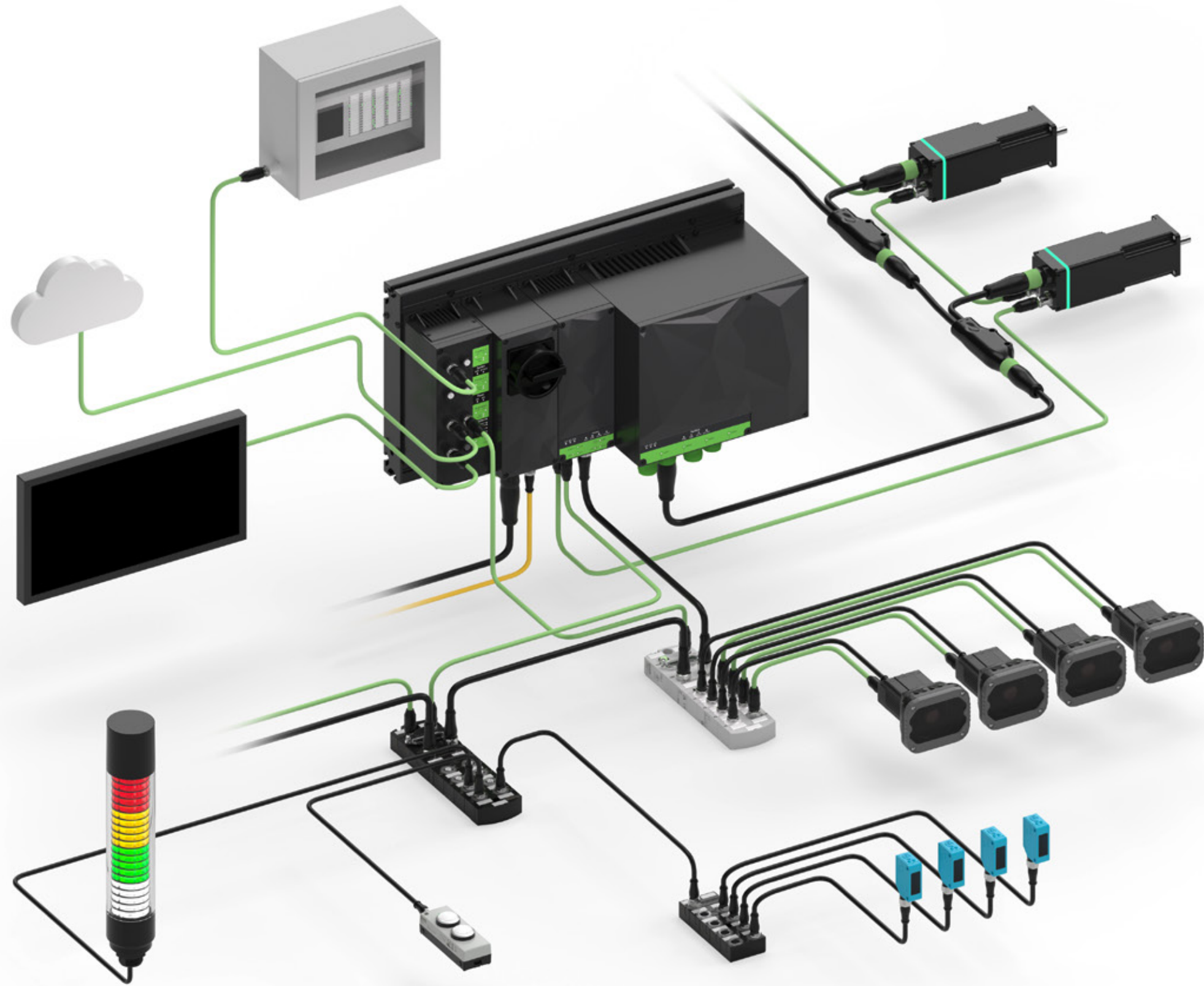
Connectors and cables for signal, data and power.



Devices

Lights, input devices and motors.





Decentralized and cabinet-free.

By installing remotely in the field, you can eliminate control cabinets and make your installation more flexible and resilient.

Faster commissioning, easy maintenance, sustainability through easy scaling and retrofitting – these are just a few of the many benefits of a decentralized system solution.

Automation – made easy for any industry.

Our installation solutions are essential in industries that require precision, speed and flexibility. Our experts are available around the world.



Intralogistics

Every minute counts in intralogistics. With our well-designed installation solutions, we can speed up commissioning, reduce downtime and ensure smooth operation in automated warehouses and logistics centers.



Packaging

The modularity and adaptability of our products allow you to flexibly and cost-effectively adapt your production lines to new packaging formats and customer requirements.



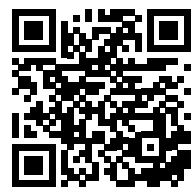
Machine tools

Our robust solutions are ideal for daily use in demanding manufacturing environments. With customized options, we adapt to your installation and strengthen your competitiveness.



Automotive

Automotive manufacturing places the highest demands on availability and safety. Our solutions are quick to install, easy to maintain, and reliable over time. The perfect conditions for sustainable cost efficiency in a competitive global market.



**Submit a
request now**

Talk to one of our experts.



Service that goes above and beyond.

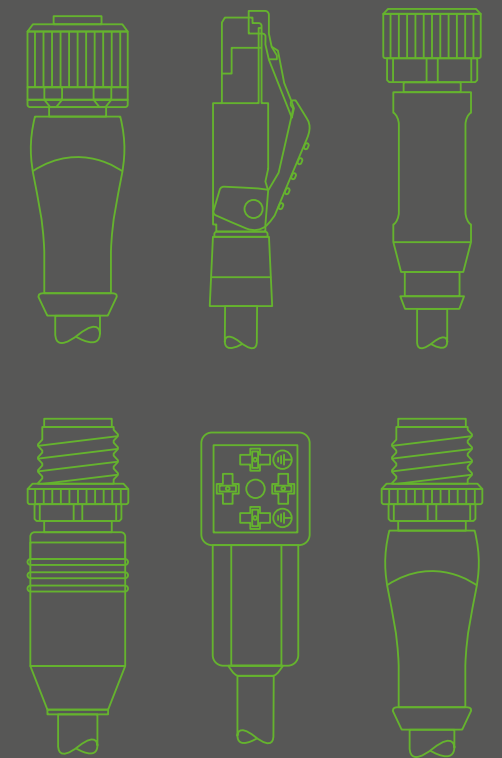
We provide you with solution-oriented consultants who work with you to find the perfect installation solution.

We listen, ask questions, and consult with you about your unique needs. This is how we find the right solution for you – wherever you are in the world.



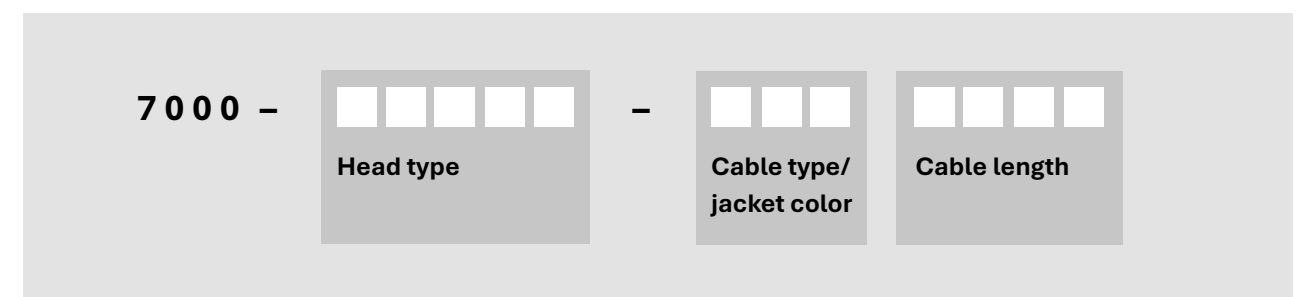
We keep the most common plug connector and cables in stock for immediate delivery. This means you can count on short lead times, even during peak demand periods.

Scan here to go to our online shop



Modular article number system

Our goal is to make life easier for our customers. Not only through innovative products and first-class service, but also through seemingly small details such as our modular article numbers.





Global presence – local service.

With more than 3,000 employees in over 50 countries, we are never far away. The benefits to you: fast access to products, short lead times, and people who speak your language and understand your needs.

50+

Murrelektronik partners

3,000+

employees worldwide

20+

subsidiaries

About Murrelektronik:

We believe that installation technology should be simple. You have better things to do than search for the right plug connector or juggle complicated assemblies.

That's why our motto is:

Keep your machine running – smoothly, safely and efficiently. So you finally have more time for the things that really drive your business!



Reduce complexity

Fewer errors, less stress.



Guarantee reliability

No nasty surprises, just quality that lasts.



Driving innovation

Together with our partners, we develop groundbreaking solutions and set new standards in automation.



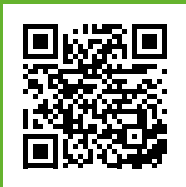
Living partnership

We listen to what you need and deliver a solution that really works!

Bring your machine to life

Talk to one of our experts and experience how easy automation can be with Murrelektronik.

- Free expert advice
- You describe your challenge
- 100 % non-binding



#stayconnected



www.murrelektronik.com

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Our company embraces social responsibility in all aspects of our business activities. Our brochures are printed using environmentally friendly production techniques and products.

