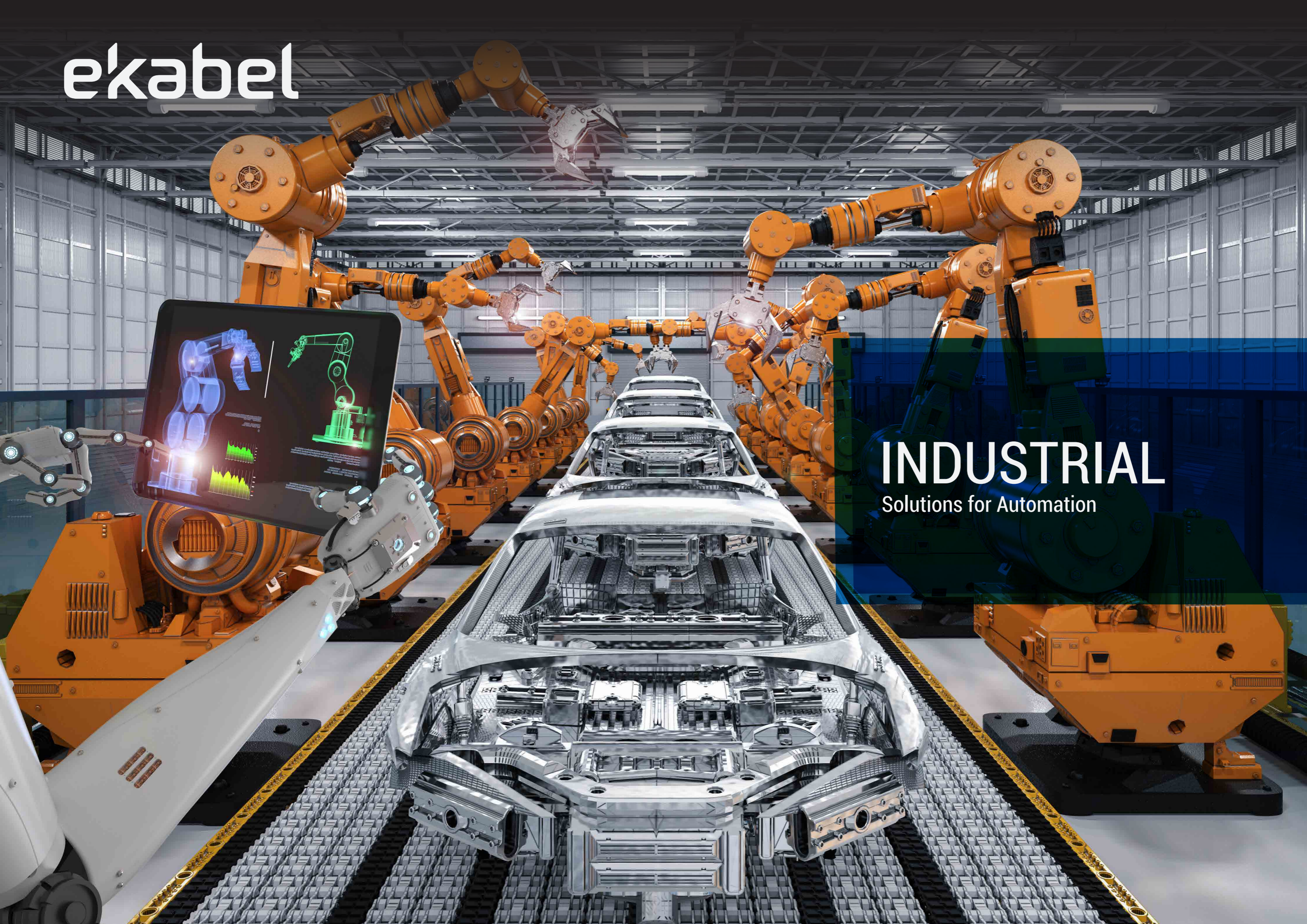


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Energy Systems Solutions for the Industry

With an ever-increasing demand for the end product in our world today, it is critical that industrial processes be accurate, fast and capable of checking on quality to provide the desired result. Therefore, automation can be found in every industrial environment, especially in those where repetitive, high volume and consistent processes are occurring. In order to accomplish these tasks, energy and information are needed.

Our industry solution offers a comprehensive range of cables for both energy and data transmission for the automation industry, as well as many different accessories to help our clients attain their desired increased productivity goals.



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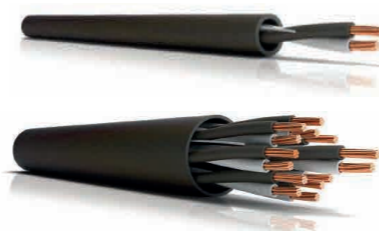
1 Drag Chain Cables

Drag chain cables for control applications are highly flexible cables under continuous flexing and minimum bending radii, according to **IEC/EN 60228** and **UL 758**, which lists them for use in industrial automation, packaging, robot construction, as well as food and automobile manufacturing.



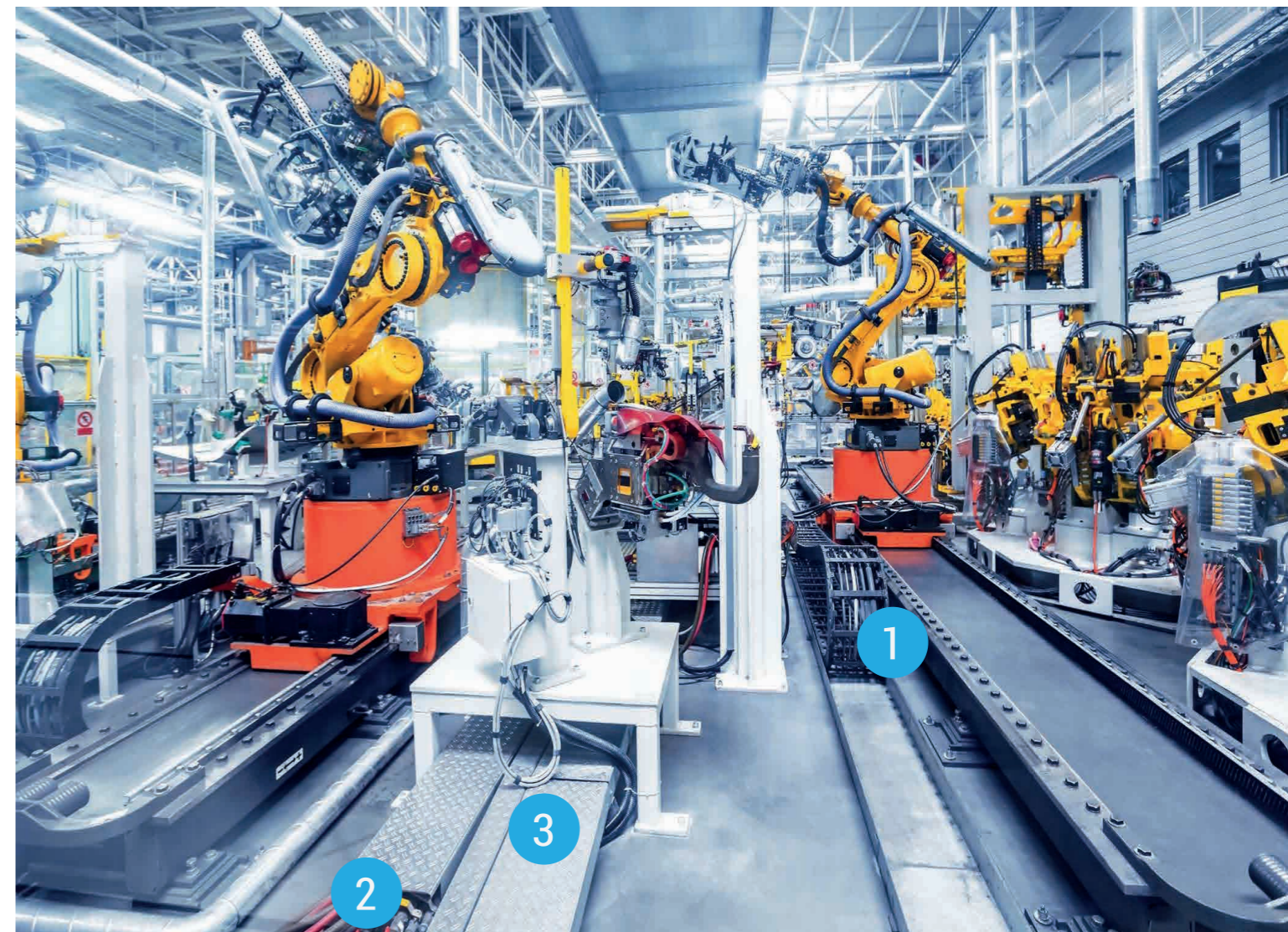
2 TC Type Cables

TC type cables are for use in instrumentation and control processes in applications where it is desired and required that the cable be laid along cable trays in proximity with other conductors. TC type cables are **UL 1277** approved.



3 Cable Tray

Cable trays offer a rigid structural system that provides reliable support for electric cables. The system is comprised of smaller units, also called sections, that come in different finishes and materials and build up to form a more complex unit. They are regulated by **IEC 61537** or **NEMA VE1, FG1, VE2** in accordance with **NEC art. 318, 250 and 800**. The main types of cable trays are: ladder, solid-bottom, trough, channel, wire mesh and single rail.



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4 Cable Transit System

Cable transit system for cable management going through solid obstacles in potentially explosive zones, are designed for structures supporting mechanical loads by reducing mechanical stress and minimizing cracks. They are regulated by **UL/NEMA** or **IEC 60079** where international certifications like **ATEX** apply.



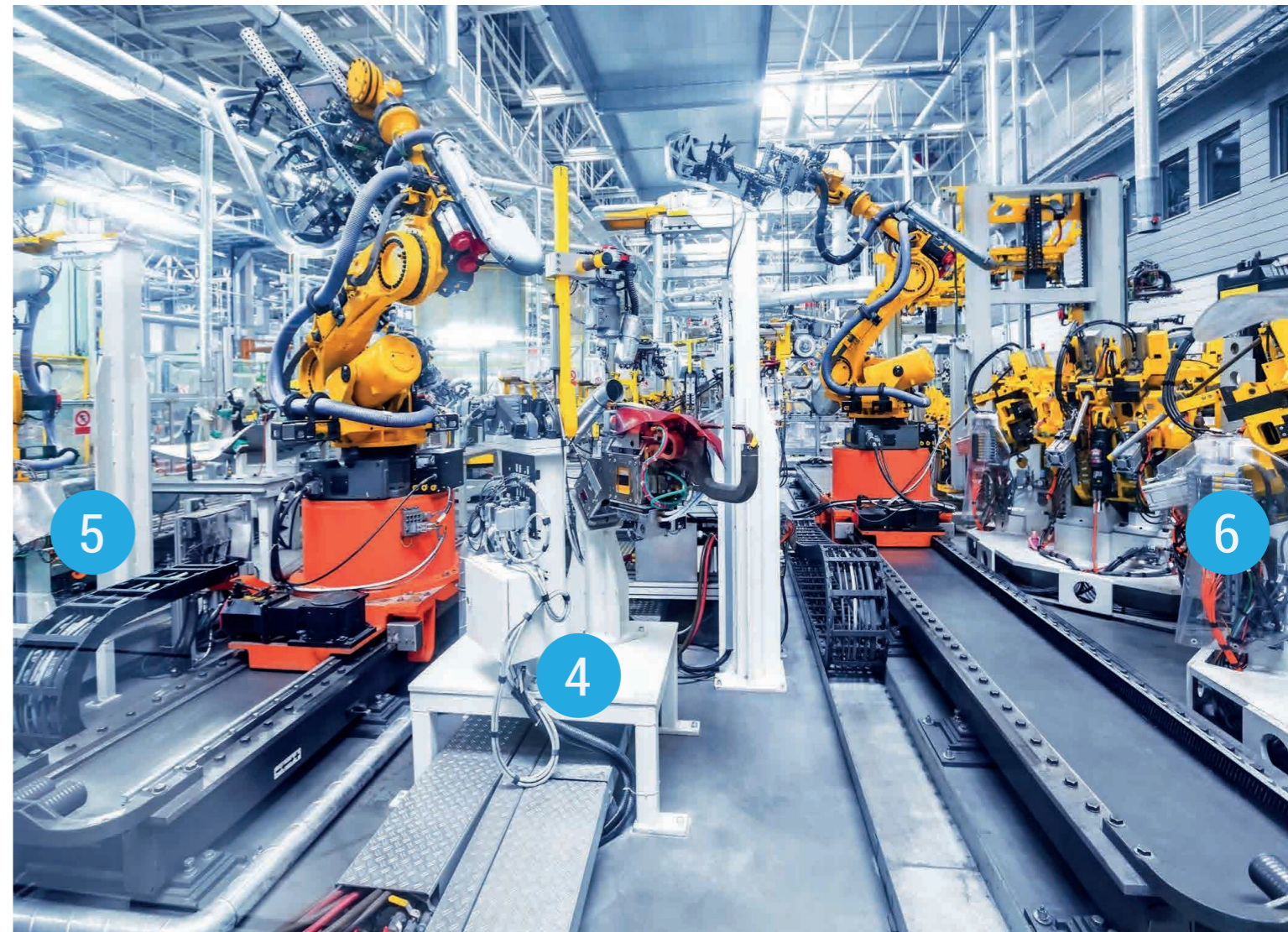
5 Glands

Cable glands make it possible to reliably connect cables to electrical equipment in hazardous locations or potentially explosive atmospheres, as well as under adverse external conditions that compromise the conductor's integrity. They are **IEC 62444** and **IEC/EN 60079** listed under **ATEX** certification and also **UL/CSA** listed.



6 Flexible Control Cables

Flexible control cables are especially designed for the automation industry. Because of its many sheath materials it allows various temperature ratings, as well as mechanical load resistance and advantages from an industrial security perspective (low-smoke, halogen-free material compounds). It is **IEC/VDE 60502** listed.



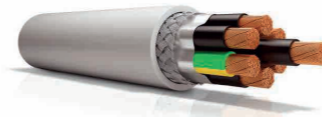
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7 Servomotor Cables

Servomotor cables combine both power and control possibilities in a single construction, simplifying cabling volume. Additionally, feedback cables are used to create a closed loop control scheme from the encoder to the industrial controller. These are suitable for drag chain applications, given their high flexibility and their resilience against mechanical fatigue under continuous flexing, which makes it possible to use them in industrial automation, packaging, robot construction, as well as food and automobile manufacturing.



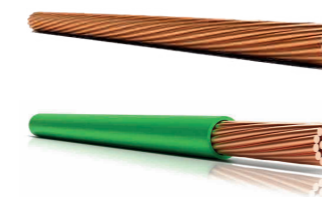
8 Sensor Cables

Sensor cables are PUR sheathed multiconductor data cables suitable for drag chain applications, where high flexibility and mechanical fatigue resilience are desired. They are **IEC 60502** listed and may be used in industrial automation, packaging, robot construction, as well as food and automobile manufacturing.



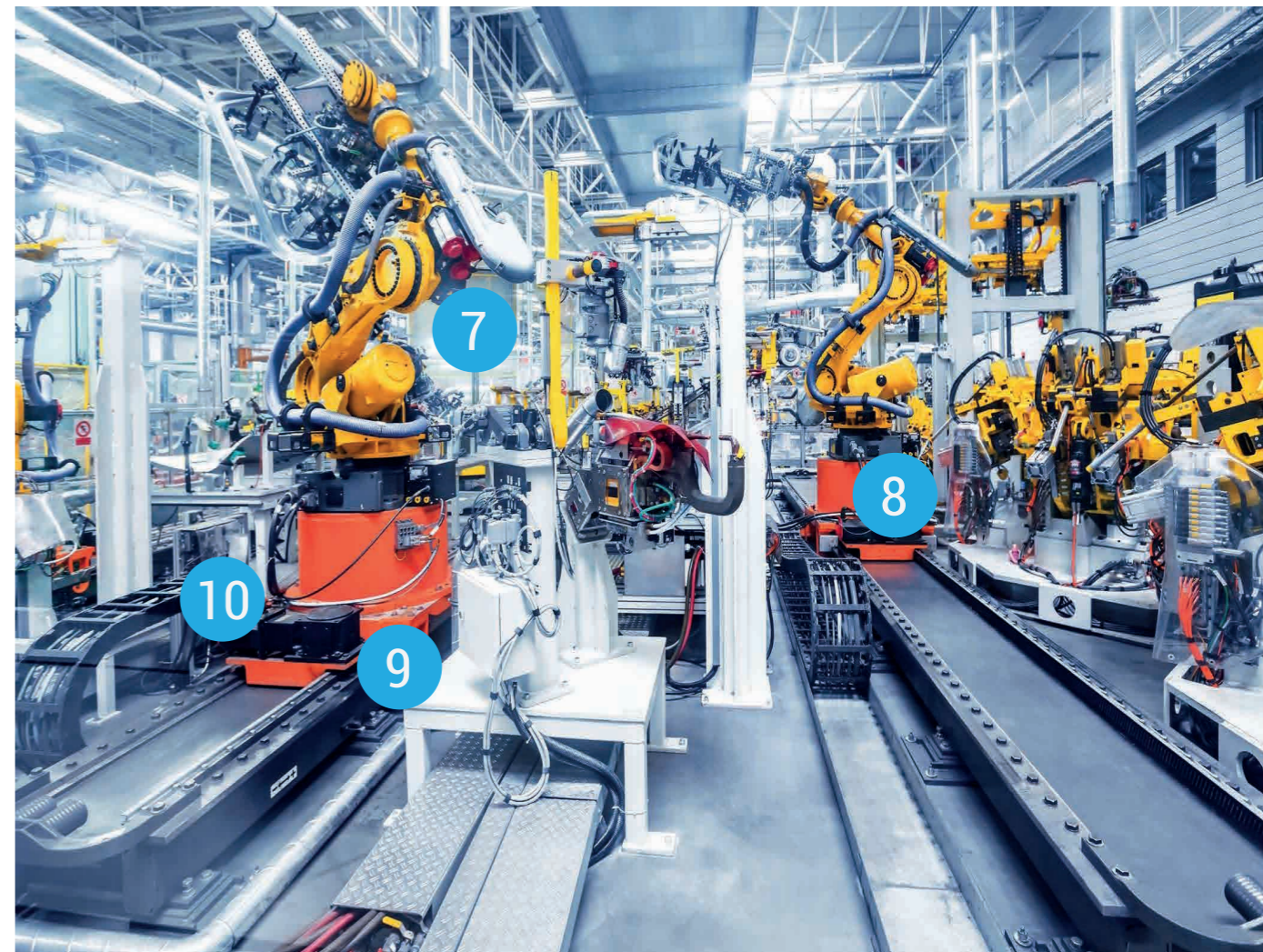
9 Grounding System

Grounding copper rods, grounding copper conductors and mechanical copper connectors offer the best option for the design of grounding systems for an electrical installation along exothermic welding molds which allows its safer operation.



10 Variable Frequency Drive Cables

Feeder cables for industrial motors controlled by variable frequency drives are cables especially designed to operate satisfactorily in environments under **EMC** restrictions, given their double shielding and their better ground conductor layout, which reduces undesired phase-phase electromagnetic coupling.



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11 Industrial Communication Cables

Cables designed for data and signal transmission under **BUS (Interbus, Profibus, DeviceNet, CAN, ASI, Fieldbus)** and **TCP/IP (Ethernet)** type protocol schemes in industrial IT systems. The different communication configurations offer a variety of transmission speeds as desired and restrict cable length to keep attenuation low. Cables are listed under **EN 50170, IEC 61158, ASI, CAN, as well as being UL/CSA approved.**



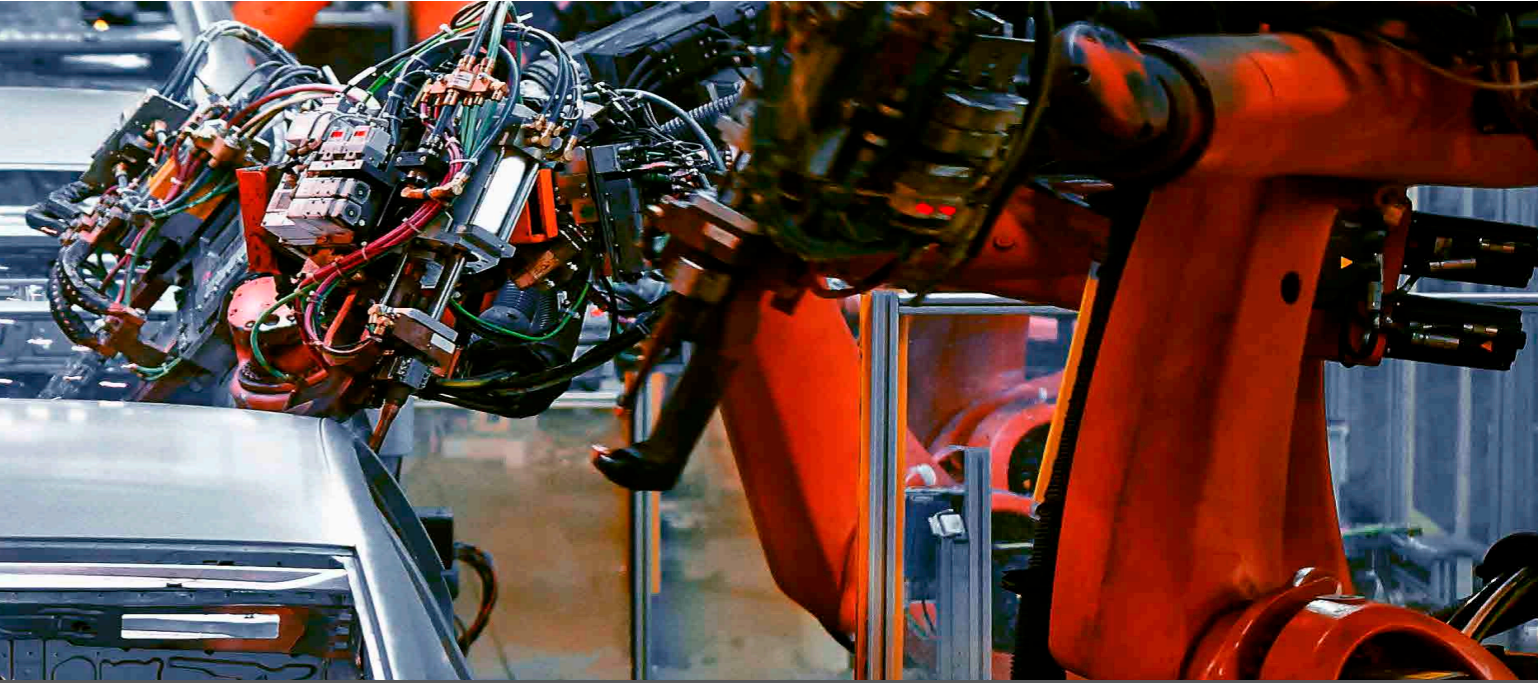
12 M8/M12 Industrial Connectors

M8/M12 connectors provide a safer, more reliable and individual connection of multiconductor cables to industrial machinery or may be used in control or communication applications in industrial environments. These are listed under **IEC 61076-2-101** and **UL** standards.



13 Fiber Optic Cables

Optical Fiber Cables are used in industrial IT systems, especially when high data transmission speeds cannot be attained by conventional communication cables, they are **IEC 60794** listed. Fiber optic cables can be used in environments where it is not possible to install electric cables due to explosion hazards or where strict **EMC** requirements are needed.



Who We Are

A team of professionals with vision of the future and action oriented.

We are passionate about designing solutions that respond to the needs of customers.

Where We Are

With offices in Latin America, the United States, Australia & Spain, Ekabel has consolidated its rapid expansion and has participated in numerous important projects.

What We Do

Based on expert knowledge, we design and integrate energy systems, telecommunications and automation to optimize results for our customer and protect their most value assets.





Our Philosophy

360 Integration

When it comes to energy systems and connectivity networks, we've got you covered.

Our ability to integrate several products in a single proposal is the backbone of our service.

Borderless Logistics

Streamlined delivery is part of our signature service in order to meet client needs.

Brain HUB

Our team of top level engineers from around the world, with heavy expertise in the industries we serve, provides our clients expert advice on most challenging projects.

Global Service Team
Experts devoted to help you.

Technology Transfers
Specific training sessions in latest topics.

Flexibility

Our geographic expansion allows us to offer competitive advantages on both small and large projects.

Global reach with local support.



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