Industrial Connectivity Solutions

Combine innovation with field-proven experience and you get the most powerful portfolio of connectivity solutions for high-quality, reliable signal transmissions.
Leading Edge Technologies, Customized Solutions

Developed with ease of use in mind, our industrial connectivity solutions are especially designed to stand up to surroundings characterized by dust, water and heavy vibrations. Whether you want to transfer power, data, signals or all combined in the form of an intelligent I/O system, our diversified product range offers you the right solution for every application.

A reliable and consistent power supply is indispensable. The choice of an appropriate power connector depends on the nature of the application as well as on your specific requirements. Ranging from design diversity to specific standards and high-voltage versions, the Belden Power portfolio offers a broad, practical selection to fulfill your individual application objectives.

- 7/8", 1", & 1-1/8" MINI
- 7/8" & 1-3/8" MINI Power
- M12 Power
- M23 Series
- G/GO/CA/ST Series

For reliable connections between sensors/actuators within your factory or machinery automation setup, you can rely on our extensive portfolio. You’ll find just what you need, including M8 and M12 connectors and cordsets – the industry-proven market standard for decades. Flexible and robust design, as well as a remarkably large number of standard and special options, makes sensor/actuator connectors from Lumberg Automation suitable for a wide variety of applications and markets. Just ask about our expertise in industries like food and beverage, transportation, automotive or material handling.

- Pico (M8)
- Micro (M12)
When you need intelligent and reliable data transmission, a flexible and cost-effective I/O system is essential. The choice of an appropriate I/O module depends on the nature of the application as well as on your specific requirements. Ranging from passive distribution boxes, fieldbus and modular I/O systems to high performance fieldbus-independent modules, the Lumberg Automation I/O systems portfolio offers a broad variety of solutions to meet your individual needs.

- Distributed Control Units
- Ethernet I/O Modules
- IO-Link Masters & Devices
- Passive Distribution Boxes
- Fieldbus Systems
- Modular I/O Systems

To achieve reliable and consistent communication between sensors/actuators and a passive or fieldbus module, you can choose from a variety of preassembled cordsets. With connectors at both ends, these cordsets offer robust design and high mechanical and chemical resistance capability. Plus, the cabling in these cordsets uses Belden’s patented bonded-pair technology for long-term reliability. With the Lumberg Automation data connectors portfolio, you can easily implement a ready-for-connection data transmission solution to meet your individual needs.

- EtherNet/IP
- PROFINET
- EtherCAT
- DeviceNet
- PROFIBUS

For your hydraulic, pneumatic and electromagnetic actuators and sensors, a reliable valve connector solution with high protection against dust, water and vibrations is required. Thanks to a protection circuit and/or function indicator, as well as an extremely robust design, valve connectors from Hirschmann reliably connect solenoid valves, pressure sensors, temperature sensors and flow monitors to voltage supplies or a data network.

- Type A
- Type B
- Type C
One Portfolio, Many Applications

The **Food & Beverage** industry represents equipment used in the processing, filling and packaging of food and beverages. Ideal selections from the Belden portfolio include:

- Stainless Steel IP69K, ECOLAB-certified M12 & M8 Washdown Cordsets
- Stainless Steel Distribution Boxes
- Stainless Steel Field Attachables
- Stainless Steel Receptacles

**Automotive** production is separated into several shop floor activities, with a significant variety of machinery types and applications to manufacture motorized vehicles or component parts. Ideal selections from the Belden portfolio include:

- PLTC-Rated, TPE-Jacketed M12 & MINI Cordsets
- Patented Bonded-Pair, TPE-Jacketed M12 Ethernet Cordsets
- 7/8” & 1-3/8” MINI Power TC-ER Rated Cordsets & Connectivity for Power Distribution
- LioN-Power Multiprotocol I/O Modules & IO-Link Masters and Devices with M12 Power

**Material Handling** equipment is used for the movement, storage, control and protection of materials, goods and products throughout the process of manufacturing, distribution, consumption and disposal. Ideal selections from the Belden portfolio include:

- M8 Snap-In Style 5-Pole, B-Coded Cordsets & Connectivity for Conveyor Roller Motors
- LioN-Power Distributed Control Unit
- Patented 360° Shielded, Right-Angle M12 Ethernet Cordsets
- LioN-Power Multiprotocol I/O Modules & IO-Link Masters and Devices with M12 Power

**Special Lengths and Custom Solutions from the Belden Connectivity Center**

Today, it is more important than ever to continuously increase the efficiency of production processes. Safe, cost-effective connectivity solutions for your machinery and plant play an important role in achieving this. You may need a customized solution tailored to your individual requirements in order to substantially reduce your total cost of ownership.

The Belden Connectivity Center – the only one of its kind in the market – is your worldwide partner when it comes to implementing these custom solutions. Whether you need specialized connectors and cable assemblies or active and passive I/O modules for fieldbus or Ethernet networks, we quickly deliver the flexibility you need. You benefit from both the expertise of our knowledgeable specialists and from our extensive experience as a leading supplier of high-quality automation components.

Find a US distributor at Belden.com | Find a European distributor at Beldensolutions.com