

Lumberg Automation M12 Power Series

High-Power Transmission Technology

The M12 Power family of connectors provides a cost-effective, safe and reliable solution for high-power transmission—even in the smallest settings.

 **Built to withstand even the harshest conditions**, including in hot, noisy, dusty, wet or moving applications

 **Reliable power transmission performance** meeting global industry standards and built with high-quality materials

 **A comprehensive, customizable portfolio** with a variety of codings to meet the needs of virtually any application

Key Features

- Market's strongest M12 connector, carrying up to 16 amps at 630 volts
- Up to 50% smaller than traditional connectors
- Easy to install with five uniquely coded bearers
- Extended temperature range of -40° to +125°C
- Oil, grease and coolant resistant
- Optional angled field attachable designed to fit in tight spaces
- Optional shielding for EMI and RFI interference protection
- Designed according to IEC, UL and VDE standards



The M12 Power Series opens the world of conventional M12 technology to high-power transmission. And thanks to its innovative and compact design, the M12 Power family offers high reliability and performance—even in harsh environments.

Be certain.
Belden.

Your Benefits

The M12 Power Series' comprehensive product portfolio—of cordsets, field attachables, connectors, receptables and cabling—provides solutions for a wide variety of environments and budget requirements. Designed specifically for demanding applications and to withstand heat, noise and dust, the M12 Power family offers high-power transmission no matter the environment.

50% smaller than traditional options, the compact, sleek design of the M12 Power connectors offers a cost-effective, safe and reliable solution for the factories of today and tomorrow.

With these miniaturized connectivity solutions, engineers are able to reduce their footprint and save space in situations where they previously may have been limited by connectivity demands.

Applications

The M12 Power family of products are designed for use in harsh environments, high temperatures and demanding applications.

Specific application uses include:

- The **K- and S-coding** versions are built for AC power suppliers, making them an ideal solution for AC motors and drives, frequency inverters, motor control switches, auxiliary power distribution for control systems, and direct wiring of LED and conventional lighting fixture systems.
- The **L- and T-coding** versions are designed for DC power suppliers and work well in low-voltage applications, such as power suppliers for fieldbus Ethernet components, network devices, motors and drives.

Markets

Due to all the available variants—coding types, shielding options, voltage requirements and cable materials—the M12 Power Series is an ideal solution for a variety of industries that require high-power and small, flexible design. This includes automotive, material handling, packaging, mobile machinery, building automation, and the food and beverage industry.



The M12 Power Series is your answer to the increasing demand for powerful connectivity in the smallest possible housings.

What's New?

L-Coded Version Without Functional Ground/Earth Pin

- Provides a more cost-effective solution for applications where interference suppression is not required
- Compliant with the latest PNO standard revision and ideal for use in current and future PROFINET and EtherNet/IP applications
- L-Code version without functional earth pin available in molded cordsets and receptacles

TPE Outer-Cable Jacket Options

- Provides the M12 Power L-code variation with protection against oil, grease and coolant
- Ideal for use in automotive manufacturing, C-track applications, and rated for use in cable trays
- Tray Cable Exposed Run 600V rated
- NFPA79 for Industrial Machine use

Angled Field Attachable Connectors

- Available in 90° orientation with adjustable keyway, ideal for tight mounting spaces, allowing the cable to enter vertically from any direction
- Provides easy, on-machine connectivity when used with single-ended, molded cordsets in applications where fixed lengths vary