INTRODUCING

M12 L-CODE CABLE ASSEMBLY

- **Unit remains protected and fully operational in most industrial applications**

- **Secured signal connections and data transmission**

M12 Power L-code connectors are an extension of the current M12 IEC standard and have been selected by PROFIBUS and PROFINET International as the standard for 24-volt power supply systems used in PROFINET devices. An extension of TE's M12 product portfolio, M12 L-code cable assemblies handle up to 16A per pin – the highest in TE's M12 family – delivering four times the power of standard M12 connectors while providing reliable and efficient power supply. M12 Power L-coded connectors take up to 40% less space and almost 80% more power than 7/8" connectors traditionally used for high-power connections. The M12 power cable assemblies are available in both male and female connectors and suitable for every purpose with its conductor size from 1.5 mm² up to 2.5 mm² allowing for a more compact build of a high-power solutions for automation devices.

APPLICATIONS

- Industrial communications
- Industrial machinery
- Robotics
- Material handling
- Industrial control and factory automation
- Test equipment
- I/O connectivity
- Sensor and actuators

ELECTRICAL

- 63V DC/AC
- 12A (16AWG)
- 16A (14AWG)

MECHANICAL

- Durability: 100 cycles
- Degree of protection: IP67
- Sinusoidal vibration per IEC60512, Test 6d

LEARN MORE

- M12 L-code cable assemblies landing page
- M12 L-code cable assemblies parts list
- M12 L-code cable assemblies flyer

KEY BENEFITS

- Smaller size increases the connectivity per used space
- Reducing risk of connector breakage by interference in narrow space
- Reliability increased as the user can hear when connector is properly locked
- Easy mating and crimping process to speed up installation time

MATERIALS

- Nylon for HSG
- TPU for overmolding
- Copper alloy for metal nuts, Nickel plated Cable jacket materials: PVC and PUR

STANDARDS AND SPECIFICATIONS

- UL 2237
- AWM style cables
- Electrical Standard 61076-2-111