



M12 male bent pre cast connector L-CODE IP67 Suitable for automated sensors

Our Product Introduction

for more products please visit us on connector-industrial.com

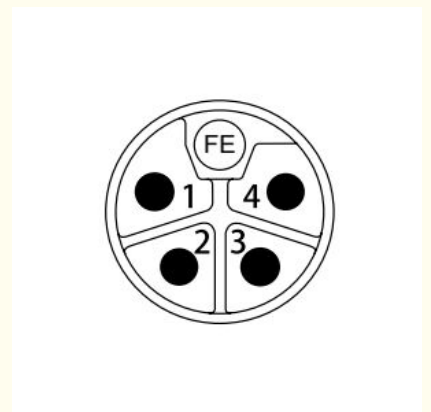
Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: M1204LMA-2/P00K
- Minimum Order Quantity: 80
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month



Product Specification

- Implementation Standards: IEC 61076-2-101
- Wire Color: 1=BN 2=WH 3=BK 4=BU 5=GN/YE
- Coding System: L -CODE
- Rated Current: 12A
- Degree Of Protection: IP67
- Ambient Temperature: -25~+85
- Contact Resistance: $\leq 5m\Omega$
- Insulation Resistance: $\geq 100M\Omega$



More Images



Product Description

M12 Male Molded Cable, Angled L-coded,5-CORE(4+FE), Precast 4x16AWG, Black PVC, 63VDC, IP67 2M/5M/10M

Product Specification Summary

The following is a summary of the key technical specifications for our KRONZ M12 L-code pre cast connectors. These parameters collectively define the benchmarks for the performance, electrical characteristics, and mechanical lifespan of this series of products.

General specifications:

Protection level: IP67 (IEC 60529)

Insulation resistance: $\geq 100 \text{ M}\Omega$

Voltage endurance: 63VDC

Electrical lifespan (casing): >100 cycles of insertion and extraction

Cable type: PVC or PUR industrial grade cables can be selected according to requirements

L-code Series Detailed Specifications:

For a more intuitive display of the features of the L-code series, please refer to the table below.

Standard	IEC 61076-2-101
Contact Nut Material	Alloy, Brass, nickel-plated
Contact Surface Material	Alloy, Brass, gold-plated
Contact Carrier Material	Plastic, PA, black
Housing Material	Plastic, TPU, black
Seal Material	FPM/FKM
Insulation Resistance	$\geq 100 \text{ M}\Omega$
Contact Resistance	$\leq 5 \text{ m}\Omega$
Pollution Degree	3
Ambient Temperature	-25~+85
Mating Cycles	>100
Degree of Protection	IP67

KRONZ

INDUSTRIAL CONNECTOR

— •
FACTORY
DIRECT
SALE
IP67



PRE ASSEMBLED CABLE M12

- POWER SERIES

COMPLETE SPECIFICATIONS OF 4/5 CORES



*THE COLOR OF THE PRE CAST WIRE AND THE COLOR OF THE PLUG CAN BE CUSTOMIZED.

Product Overview & Brand Advantages

Welcome to KRONZ M12 L-code pre cast connector - a precision solution designed for complex signal transmission. Under the wave of modern industrial Internet of Things and smart factories, communication between devices is becoming increasingly complex, and the requirements for signal connectors have reached unprecedented heights. KRONZ is well aware of this trend and has dedicated itself to creating the L-code series, aiming to provide you with the most stable and reliable signal path. Choosing KRONZ means choosing a partner with six core advantages to safeguard your intelligent upgrade.

Ultimate protection, fearless challenge: Our connectors achieve IP67 protection level, which can completely prevent dust from entering and can be immersed in water up to 1 meter deep without damage in a short period of time. Whether it's damp and dusty factory workshops or food and beverage processing equipment that requires frequent cleaning, KRONZ can provide indestructible protection.

Precision contacts and pure signals: High purity brass gold-plated contacts are used to effectively reduce contact resistance, signal attenuation, and interference, ensuring that the data collected by the sensor is transmitted to the control

system in real, accurate, and real-time, providing the most reliable basis for your decisions.

Durable shell, timeless: The locking nut is refined from high-strength brass material and treated with nickel plating, which not only endows the connector with excellent mechanical strength, but also brings outstanding corrosion resistance, allowing it to remain as new as ever in various chemical environments.

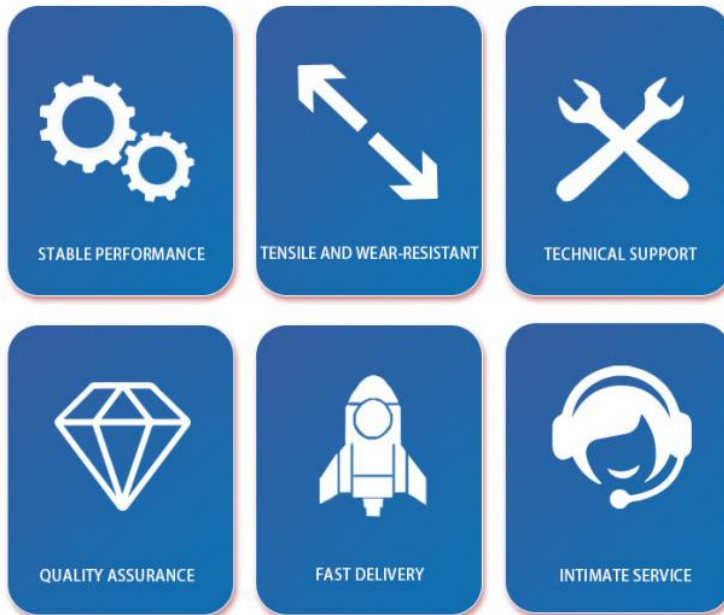
Wear resistant seal, long-lasting waterproof: The core FPM/FKM fluororubber sealing ring has excellent oil resistance, high temperature resistance, and chemical resistance, which is the key to achieving IP67 protection level, ensuring reliable sealing effect even after long-term use.

Stable locking, worry free: The innovative locking mechanism design ensures a secure and reliable connection, even on equipment with severe vibrations, maintaining a stable electrical connection and preventing production interruptions caused by accidental disconnection.

Standard compatibility, plug and play: Strictly following international industrial standards, ensuring perfect compatibility with the vast majority of M12 interface sensors and actuators on the market, simplifying your selection and procurement process, and reducing integration costs.

6 REASONS TO CHOOSE US

Providing you with the best protection



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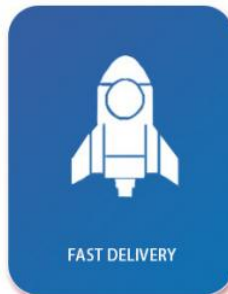
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PRODUCT DETAILS

STRENGTH FACTORY QUALITY ASSURANCE



COPPER CORE GOLD-PLATED COLD RESISTANT AND HEAT-RESISTANT EXQUISITE CRAFTSMANSHIP

To understand why KRONZ L-code connectors can stand out in harsh environments, it is necessary to delve into their sophisticated manufacturing processes and material selection. Each component has been carefully considered to form an indestructible whole.

Shell system - brass nickel plated locking nut: The main body of the connector is made of high-strength brass material, which itself has excellent thermal conductivity and mechanical properties. More importantly, the surface is treated with nickel plating, which acts like armor and greatly enhances the corrosion resistance of the connector, enabling it to resist water vapor, moisture, and various industrial chemicals, ensuring long-term stability.

Internal support - TPU needle holder: At the front end of the connector, you can see a black ring-shaped component, which is our needle holder made of high-performance thermoplastic polyurethane (TPU). TPU is a special engineering plastic that combines elasticity and rigidity, with excellent wear resistance, oil resistance, and tear resistance. Its function is to provide effective support and protection for the internal wires and terminals when the cable is bent or pulled, preventing them from being damaged due to stress, thereby extending the service life of the entire connector.

Core conduction - brass gold-plated contacts: When you carefully observe the metal terminals inside, you will find that they appear bright golden. These are high-purity brass contacts with a thin layer of gold electroplated on their surface. Gold is a precious metal known for its excellent oxidation resistance and low electrical resistivity. Gold plating treatment can fundamentally prevent contact oxidation, ensuring the lowest contact resistance and highest signal transmission efficiency for each connection, which is crucial for sensor applications that require high-precision data acquisition.

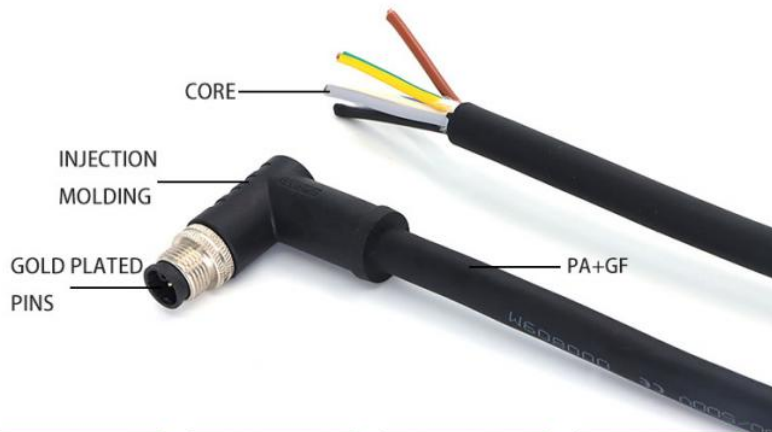
Sealing Guarantee - FPM/FKM Sealing Ring: FPM or FKM sealing rings are installed at the interface between the connector and the cable, as well as at the threaded parts that provide sealing when the connector is tightened. FPM (Fluorinated Rubber) and FKM (Fluorinated Graphene Rubber) are top-level synthetic rubbers that can maintain elasticity over a wide temperature range of -25 ° C to +85 ° C, and have strong resistance to most industrial oils and chemicals such as mineral oil, gasoline, and hydraulic oil. It is this critical line of defense that enables the achievement of IP67 protection level.

Analysis

PRODUCT ANALYSIS

MORE COMPREHENSIVE UNDERSTANDING OF THE PRODUCT

PVC MATERIAL WITH HIGH FLEXIBILITY AND BENDING RESISTANCE



Protection Performance Showcase

In industrial sites full of uncertain factors, unexpected situations can occur at any time. An accidental liquid spill, flushing of a high-pressure cleaning machine, or brief immersion of equipment in standing water can all have a fatal impact on ordinary connectors, leading to short circuits, corrosion, and expensive shutdown losses. The KRONZ L-code connector completely solves this problem for you.

We are proud to announce that all KRONZ M12 pre cast connectors meet the IP67 protection rating, which is derived from the International Electrotechnical Commission's IEC 60529 specification. What does this combination of numbers represent? Let's break it down:

The first digit '6' - completely dust-proof: This means that no dust can enter the interior of the connector. For environments where dust is present, such as wood processing, chemical production, or food grinding workshops, this is crucial. Complete dust prevention can effectively prevent poor contact, signal drift, and even short circuits caused by dust accumulation, ensuring the long-term stable operation of the system.

The second digit '7' - Waterproof immersion: This is the most convincing part. IP67 means that your device can be safely immersed in clean still water up to a depth of no more than 1 meter for up to 30 minutes without any moisture or water seeping into its interior, and the device's functionality is not affected in any way. Imagine that in the food and beverage industry, production lines need to undergo regular CIP (In Situ Cleaning); In outdoor equipment, it can calmly cope with rainstorm weather; In logistics warehousing, it can withstand the test of forklift accidental collision with water pits. IP67 protection provides the highest level of security for your production line, minimizing unplanned downtime to the greatest extent possible.

Degree of protection IP67 Waterproof and dustproof

Durable, Waterproof, Dustproof



SERIES PRODUCT DISPLAY	
PRODUCT NAME	Pre-assembled cable M12 -- Power series
Straight Male and female options available	
Angled Male and female options available	

*There are many product categories, only some products are displayed.

If you need other products, please contact customer service and send the product catalog

Look, even in water up to 1 meter deep, the KRONZ connector can still remain dry and function properly.

Customization Options

INDUSTRIAL CONNECTOR

PARAMETER TABLE

THE STANDARD LENGTH IS 2/5/10 METERS, AND ANY LENGTH CAN BE CUSTOMIZED

The M12 Connector with Pre-molded Cable is a male connector compliant with IEC 61076-2-101 standard, rated for 12A current and 630VAC voltage. Constructed with TPU housing material in black and designed for over 100 mating cycles.

For custom specifications and requirements, please contact our sales team to discuss your specific application needs.

Your Trusted Partner in Industrial Automation

KRONZ is a manufacturing enterprise located in Zengcheng District, Guangzhou, China. For many years, we have been dedicated to providing customers with efficient industrial automation solutions and related industrial products. **Core products:** Industrial connectors, inductive/capacitive/optoelectronic/ultrasonic sensors, industrial power supplies, industrial fieldbus, RFID recognition systems, and industrial Ethernet switches.

R&D and production: We have complete product processing equipment and a professional team proficient in various automation technologies. In order to improve product quality and production efficiency, we continue to introduce advanced production equipment and technology, and constantly strengthen research and development investment.

Customization capability: We not only produce standard products, but also have strong customization production capabilities, which can produce according to customers' design drawings or samples.

Service philosophy: Adhering to the principle of mutual benefit and win-win, we provide customers with competitive prices and perfect after-sales service. KRONZ's products have been sold to multiple countries and have won the trust and praise of customers.

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ABOUT US

KRONZ is a manufacturing enterprise located in Zengcheng District, Guangzhou City. We focus on providing customers with high-efficiency industrial automation solutions and related industrial products. After many years of innovation and development, KRONZ has complete product processing equipment and a professional team who are proficient in various automation technologies.

In order to improve the quality of products and production efficiency, we continue to introduce advanced production equipment and technology, strengthen investment in research and development. At present, our main products include Industrial Connectors, Inductive Sensors, Capacitive Sensors, Photoelectric Sensors, Ultrasonic Sensors, Industrial power supplies, Industrial fieldbus, RFID recognition systems, Industrial Ethernet Switches

We not only produce the orders of standard products, but also have ability to make customize production based on customer design drawings or samples.

Adhering to the principle of mutual benefit, we provide our customers with competitive prices, and perfect after-sales service. KRONZ's products have been sold in multiple countries, have won the trust and praise of customers. KRONZ expect to collaborate with you.



OUR FACTORY

Secure Payment & Fast Shipping Worldwide

We provide flexible and convenient payment methods and a global logistics network to ensure the safety and fast delivery of your goods.

Payment Methods: We support various international payment methods such as PayPal, Western Union, T/T (telegraphic transfer), MoneyGram, etc. to ensure transaction security.

Shipping Partners: We maintain long-term partnerships with top logistics companies such as TNT, UPS, SF Express, FedEx, EMS, DHL, etc.

Transportation instructions:

Samples and small batch orders: We use fast shipping methods, including air freight and express delivery, to ensure that you receive the products for testing as soon as possible.

Large scale orders: You can choose sea freight, air freight, railway or truck transportation according to your needs, providing you with the most cost-effective logistics solution.

Proxy shipping: We can directly send the goods to your designated proxy warehouse.

Customized service: If you need special transportation methods, please feel free to contact us at any time.

Logistics and Payment



1. Samples and small orders can be shipped with fast shipment method, by air and by express. Bulk order will ship by sea, by air, by train, by truck etc.
2. We also can send the goods to your agent warehouse.
3. If you need any more shipping method, please feel free to contact with us.



Technical Support & Services

- Expert technical assistance for product selection and configuration
- Installation guidance and support
- Troubleshooting and issue resolution
- Product warranty and repair services
- Training and education resources
- Customized solutions for unique application needs



Note:

Due to the wide range of our products, we cannot list all product pictures and corresponding product parameters. If you have other needs, please communicate with me. We can provide supplementary information and technical support. We Are Happy to Serve You.



CONTACT US

KRONZ Kronz (guangzhou) Electronics Co., Ltd.



+8618924160375



sales02@kronz.cn



connector-industrial.com

Floor 7, Building 12B, Hanhe Robot Intelligent Manufacturing Base Exhibition Center, Xiangshan Avenue,
Zengcheng Economic Development Zone, Guangzhou, Guangdong Province, China