



M12 IE Connector Industrial Male Circular Connectors D-Code 4 Pin Lan Cable Connector

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: M1204DM-5-M1204DM/E301
- Minimum Order Quantity: 50
- 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

- Contact Resistance: $\leq 5\text{m}\Omega$
- Coding: D
- Pin: 4
- Voltage: 60V
- Cable: 5 Meter
- Contact Nut Material: Brass, Nickle-plated
- Rated Current: 2A
- Connector: M12 To M12
- Highlight: industrial m12 connector, industrial m12 female connector, circular m12 connector



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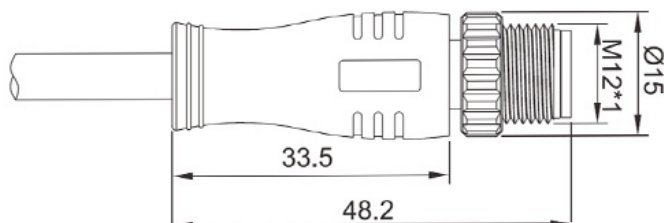
Product Description

M12 IE Connector Industrial Male Circular Connectors D-Code 4 Pin Lan Cable Connector

Product Description

Ethernet M12 Connectors are made with high-quality materials to ensure reliable and long-lasting performance. The Seal material is made of FPM/FKM, which provides excellent resistance to heat, chemicals, and oils. This makes it ideal for use in harsh environments where exposure to these elements is common. The Contact nut material is made of Brass, Nickle-plated, which provides excellent corrosion resistance and electrical conductivity.

IE Lan Connector product line has an Insulation resistance of $\geq 100\text{M}\Omega$, which ensures that the connectors are safe to use in high voltage and high current applications. The Pin configuration is available in 4/8, providing flexibility in connecting different devices and peripherals. The Housing material is made of TPU, Black, which provides excellent durability and resistance to impact, making it ideal for use in industrial and outdoor environments.



Technical Data

Standard	IEC 61076-2-101
Contact nut material	Brass, nickle-plated
Contact surface material	Brass, gold-plated
Contact carrier material	PA, black
Housing material	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

Pin assignment	Wire color	Cod ing	Rated current	Voltage	Wire gauge	Cable outlet	Length	Model No.
	1 = WH/OR(+tx) 2 = WH/GH(+rx) 3 = OR(-tx) 4 = GN(-rx)	D	2A	60V	2x2x0.25, shielded (2x2x24AWG) Blueish green, PVC, OD=5.6	Straight	5M	M1204DM-5-M1204DM/E301

Packing Information

Product Packaging:

- 80 pcs M12 connectors per carton
- Each connector is individually packaged
- Packaging material is eco-friendly and recyclable

Shipping:

- Ships within 5-8 business days
- Shipping options include standard and expedited
- Shipping rates calculated at checkout based on location and weight



Application

Industrial Robotics – Powers Ethernet/IP connections for real-time control of robotic arms and automated workstations.

Manufacturing Plant Automation – Used to streamline connections between control panels, PLCs, and other automation equipment in high-speed production settings.

Food Processing Facilities – Provides a shielded, interference-free Ethernet/IP link that withstands rigorous cleaning processes.

Assembly Line Systems – Integrates seamlessly into assembly lines, linking sensors and actuators to monitor quality and control speed.

Automated Warehousing – Ensures stable connections in robotic and conveyor systems for efficient sorting and inventory tracking.

Renewable Energy Installations – Essential for real-time data transmission in wind farms and solar power stations, enhancing energy monitoring and management.

Public Transit Systems – Provides Ethernet/IP communication in passenger information, ticketing, and surveillance systems in rail and metro networks.

Pharmaceutical Production Lines – Critical for maintaining precise environmental monitoring and control in sensitive production areas.

Agricultural Automation – Connects monitoring equipment and automated devices in smart farming, ensuring efficient irrigation and crop management.

Offshore Drilling Rigs – Engineered to withstand the harsh environment of offshore platforms, connecting monitoring and control devices.

Heavy Machinery Operation – Used in construction machinery to connect diagnostic systems and ensure operator safety and equipment functionality.

HVAC Building Systems – Ideal for centralizing control and monitoring of heating, ventilation, and air conditioning systems in large facilities.

Mining Operations – Supports Ethernet/IP networks underground, ensuring communication between heavy equipment and control rooms.

Energy Grid Substations – Facilitates communication in high-voltage environments, linking sensors and relays to centralized control systems.

Smart Cities – Integrated into smart city infrastructure, including street lighting, traffic management, and public safety networks.

Automotive Testing Facilities – Used to connect high-precision sensors and testing equipment for vehicle diagnostics and performance monitoring.

Warehouse Automation – Enables data communication between RFID systems, robotic pickers, and automated guided vehicles (AGVs).

Data Centers – Provides robust connectivity between network switches, enabling efficient data flow in high-density server environments.

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 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 the ability to make customized 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 and have won the trust and praise of customers.

Kronz expects to cooperation with you.

Our Advantage

1. Our team: Kronz is a team with professional R&D capabilities.
2. Our factory: We has the latest production equipment and testing instruments, capable of producing more professional products.
3. Our technical support: Customer service provides 24-hour online service, and communicate with technical personnel at any time to solve technical problems.
4. Our warehouse: We have large capacity warehouse which can provide customers with storage for large quantities of orders.
5. Our location: Our factory is located in Guangzhou, close to Hong Kong, with convenient local transportation, so that export transportation methods are diverse, such as by sea, by air, by railway, and by land.



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