



M12 Connector Pre-assembled IE Cable for Ethernet/IP Shielded 4/8 Pin D Coding

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: M1204DM-2-M1204DM/E301
- Minimum Order Quantity: 50 pieces
- 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

KRONZ



Product Specification

- Description: IE Connecting Cable M12 Connector
- Color: Green
- IP Rate: IP67
- Endurance(shell): >100 Cycles
- Insulation Resistance: $\geq 100M\Omega$
- Contact Resistance: $\leq 5m\Omega$
- Ambient Temperature: -25~+85
- Connector Type: Screw Locking
- Pin: 4 / 8
- Highlight: **ip67 m12 connector, ip67 m12 female connector, screw locking m12 connector**

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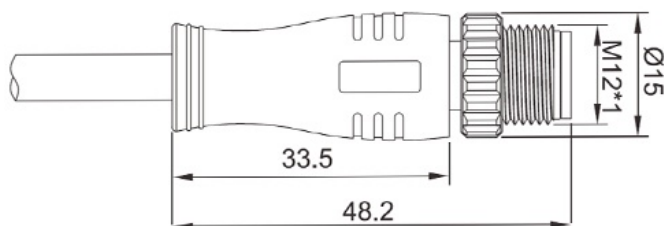


Product Description

M12 Connector Pre-assembled IE Cable for Ethernet/IP Shielded 4/8 Pin D Coding


Product Description

High-Quality M12 Connector Cable – Pre-assembled for convenience with 4 or 8 pins, ideal for Ethernet/IP applications with D/A/X coding options.



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 | ≥100MΩ |
| Contact resistance | ≤5mΩ |
| Pollution degree | 3 |
| Ambient temperature | -25~+85 |
| Mating cycles | >100 |
| Degree of protection | IP67 |

| Pin assignment | Wire color | Coding | Rated current | Voltage | Wire gauge | Cable outlet | Length | Model No. |
|---|---|--------|---------------|---------|---|--------------|--------|----------------|
|  | 1 = WH/OR(+tx) 2 = WH/GH(+rx) 0 3 = OR(-tx) 4 = GN(-rx) | D | 2A | 60V | 2×2×0.25, shielded (2×2×24AWG) Blueish green, PVC, OD=5.6 | Straight | 2M | M1204DM-2/E301 |

Application

Precision Assembly Lines – The M12 connector ensures reliable Ethernet/IP communication across robotic arms and conveyor systems, driving accuracy and efficiency in production lines.

Automotive Paint Shops – With its shielding against electromagnetic interference, this connector cable keeps Ethernet/IP data flow stable, even in the high-voltage environment of paint application systems.

Food and Beverage Processing – Hygienic design and strong shielding make it ideal for food-safe environments, ensuring smooth data transfer for automated bottling and packaging lines.

Industrial Welding Stations – Withstand high temperatures and interference while connecting controllers and sensors, helping maintain safety and productivity in welding areas.

Smart Agriculture Systems – Provides dependable Ethernet/IP connectivity for smart farming applications, from moisture sensors to automated tractors, supporting real-time data collection in the field.

Pharmaceutical Cleanrooms – The M12 connector's secure, shielded design makes it ideal for cleanroom applications, supporting strict environmental control in pharmaceutical manufacturing.

Solar Panel Arrays – Resistant to harsh weather conditions, this connector provides stable Ethernet/IP connections to monitor power output and manage energy systems in solar installations.

Packaging Automation – Ensures fast, reliable Ethernet/IP communication between sorting and packaging equipment, supporting accuracy and reducing downtime in high-speed packaging environments.

Airport Baggage Handling Systems – The M12 connector is essential for reliable data transfer in automated baggage sorting systems, reducing errors and enhancing security at airports.

CNC Machine Centers – Robust enough for industrial machinery, this connector ensures uninterrupted Ethernet/IP connections in CNC systems, crucial for precision machining.

Chemical Processing Plants – Built for safety in hazardous environments, it enables Ethernet/IP communication for remote monitoring of sensitive processes and equipment in chemical production.

Automated Warehousing – Provides high-speed Ethernet/IP connectivity to robots and automated guided vehicles (AGVs) in large distribution centers, enabling efficient inventory management.

Railway Signaling Systems – Durable and reliable for outdoor use, this connector is crucial for maintaining real-time communication across railway control and signaling systems.

Water Treatment Facilities – With shielded design, it maintains reliable connections for monitoring water quality and controlling treatment processes in water plants.

Wind Turbine Networks – Withstanding wind and vibrations, it connects monitoring sensors in wind turbines, ensuring the stable flow of data for efficient energy management.

Traffic Management Systems – Enables Ethernet/IP connections across traffic lights and control hubs, making it essential for smart city traffic solutions.

Medical Equipment Manufacturing – Ensures reliable, shielded Ethernet/IP connectivity for precision devices in medical manufacturing, essential for high-quality standards.

Mining Operation Equipment – With its rugged, shielded design, this connector keeps Ethernet/IP systems stable in harsh underground environments, linking monitoring and control systems.



Packing and Shipping

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



FAQ

Q: Where is this product manufactured?

A: This product is manufactured in Guangdong, China.

Q: Does this product have any certifications?

A: Yes, this product is CE certified.

Q: What is the minimum order quantity for this product?

A: The minimum order quantity for this product is 80.

Q: Is the price of this product negotiable?

A: Yes, we will offer different price according to the quantity.

Q: How is this product packaged?

A: This product is packaged in polybag packing, export carton.

Q: What is the delivery time for this product?

A: The delivery time for this product is 5-8 working days for MOQ 80pcs, if more quantity, please contact with seller.

Q: What payment terms are accepted for this product?

A: The payment terms accepted for this product are T/T, Western Union, and MoneyGram.

Q: What is the supply ability of this product?

A: The supply ability of this product is 100000 pieces per month.

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