



M12 male straight, K-coded, with IP67 protection, 12A current rating and gold-plated contacts, suitable for industrial automation, 2M/5M/10M.

Our Product Introduction

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

Basic Information

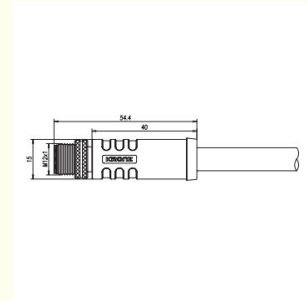
- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: M1204KM-2/P00K
- Minimum Order Quantity: 80
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month

KRONZ

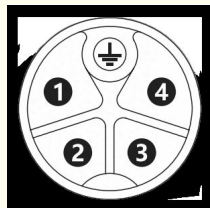


Product Specification

- Implementation Standards: IEC 61076-2-101
- Wire Color: 1=BK 2=BK 3=BK 4=BK 5=GN/YE
- Rated Current: 12A
- Degree Of Protection: IP67
- Housing Material: Plastic, TPU, Black
- Ambient Temperature: -25~+85
- Contact Surface Material: Alloy, Copper Zinc, Gold Plated
- Mating Cycles: >100
- Seal Material: FPM/FKM
- Contact Carrier Material: Plastic, PA, Black
- Insulation Resistance: ≥ 100MΩ



More Images



KRONZ



KRONZ



KRONZ



KRONZ



Product Description

M12 Male Straight Pre-molded Connector

M12 male straight, precast connectors are core connectivity components designed for industrial automation, sensor and harsh environment applications. Featuring a prefabricated one-piece molding process, these connectors combine compact space adaptability with high reliability.

Product Overview

The M12 Connector is engineered with high-quality materials to deliver exceptional durability and performance in demanding industrial environments. Featuring a PA contact carrier in black for impact resistance, and FPM/FKM seals for superior chemical resistance against oils and fuels.

Our Product Introduction

Analysis

PRODUCT ANALYSIS

MORE COMPREHENSIVE UNDERSTANDING OF THE PRODUCT

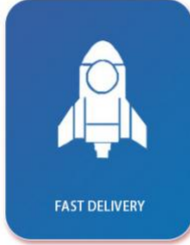
PVC MATERIAL WITH HIGH FLEXIBILITY AND BENDING RESISTANCE



The connector utilizes brass contact surfaces with gold plating to ensure reliable, low-resistance electrical connections. The nickel-plated brass contact nuts provide excellent corrosion and wear resistance.

6 REASONS TO CHOOSE US

Providing you with the best protection



KRONZ

PRODUCT DETAILS

STRENGTH FACTORY QUALITY ASSURANCE



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

Designed for rigorous industrial applications, this connector offers high ingress protection (IP67) against dust and water, along with a high mating cycle rating for frequent connection and disconnection without performance degradation.

Degree of protection IP67 Waterproof and dustproof

Durable, Waterproof, Dustproof



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

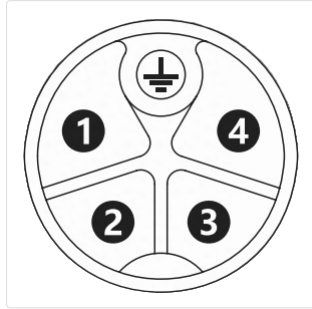
*There are many product categories, only some products are displayed.
If you need other products, please contact customer service and send the product catalog

Technical Specifications

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	$\geq 100M\Omega$
Contact Resistance	$\leq 5m\Omega$
Pollution Degree	3
Ambient Temperature	-25~+85
Mating Cycles	>100
Degree of Protection	IP67

Pin Assignment & Configuration

Pin Assignment	1-BK 2=BK 3=BK 4=BK 5=GN/YE
Connection Method	K-CODE
Coding System	K-CODE
Rated Current	12A
Voltage	630VAC
Wire Gauge	5*1.5 (4*16AWG) PVC, black
Cable Outlet	Straight
Length	2M
Model No.	M1204KM-2/P00K




Application Examples

PRODUCTION PROCESS



1.Raw Material



2.Trim The Wire




3.Peel The Skin



4.Peel The Inner Skin



5.Welding



6.Injection Molding
(inner film)




7.Injection Molding
(outer film)



8.Detection



9. Labeling



10.Coiling



11.Seal the bag



12.Packing

COMPANY CERTIFICATE



Customization Options

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.

INDUSTRIAL CONNECTOR PARAMETER TABLE

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

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

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

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