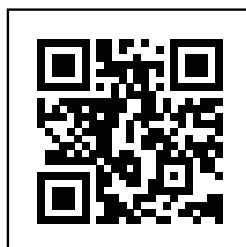




# M5 to M12 Circular Connectors

Product Overview 2026



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# Comprehensive Signal, Data & Power Connectivity Solutions

Wieson M Series waterproof circular connectors provide dependable signal, data, and power connectivity for industrial applications. Available in M5, M8, and M12 sizes, the product portfolio features modular designs, versatile pin configurations, and IP67-IP68 protection for reliable performance in harsh environments.

Designed for industrial automation, robotics, transportation, machine building, and smart manufacturing, Wieson connectors deliver flexible integration, exceptional durability, and long-term operational reliability.



IP67 / IP68 Protection



IEC Compliant



UL Certified



## M series Connector



### M5 Connector (Signal Group)

**Serial number: AC730301**

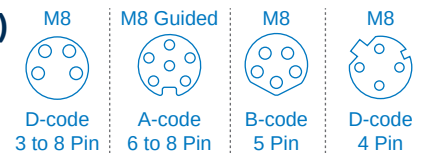
- Coupling System: Metal Threaded
- Current Rating: M5:1A
- Pins number: 3-4 pins
- Plug: The length of cable can be customized
- Socket: Front Mount Solder Type, Back Mount Solder Type and PCB board type
- Waterproof grade: IP67 Mated
- The products comply with IEC 61076-2-105 standard
- Mating Cycle:  $\geq 100+$



### M8 Connector (Signal & Data Group)

**Serial number: AC730302**

- Coupling System: Metal Threaded
- Current Rating: M8:1.5~3A
- Plug: The length of cable can be customized
- Socket: Front Mount Solder Type, Back Mount Solder Type and PCB board type
- Waterproof grade: IP67 Mated
- The products comply with IEC 61076-2-104 standard
- Mating Cycle:  $\geq 100+$



### M12 Connector (Signal & Data Group)

**Serial number: AC730303**

- Coupling System: Metal Threaded
- Connectors Type: M12
- Operation Voltage: 30~250V AC/DC (Depending on Code)
- Current Rating: 0.5A~16A (Depending on Code)
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Mated
- IEC 61076-2-101 (A/B/D-Code)
- IEC 61076-2-109 (X-Code)



### M12 Connector (Power Group)

**Serial number: AC730303**

- Coupling System: Metal Threaded
- Connectors Type: M12
- Operation Voltage: 63V DC (L-Code) / 690V AC (K/S Code)
- Current Rating: 12A~16A(Code)
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Mated
- Grounding: PE (Protective Earth) FE (Functional Earth) (Shield / EMC)
- IEC 61076-2-111 (L/K/S-Code)



### **M8 Series Cable (Straight/ Right-Angled)** **Serial number: AB9062**

- Coupling System: Metal Threaded
- Connector Type: M8
- AWG: M8:22~24AWG
- Operation Voltage: 60V AC/DC
- Current Rating: M5:1A/ M8:1.5~3A
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Mated
- M8\_IEC 61076-2-104



### **M8 Series Cable (Snap-in)** **Serial number: AB9062**

- Coupling System: Snap-in
- Code: A, B-Code
- PIN: 3~5 Pin
- AWG: 24AWG
- Operation Voltage: 250V AC/DC
- Current Rating: 4A
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Mated
- M8\_IEC 61076-2-104



### **M12 Series Cable (Straight/ Right-Angled)** **Serial number: AB9063**

- Coupling System: Metal Threaded
- Connectors Type: M12
- AWG: 22~24AWG
- Operation Voltage: 30~250V AC/DC (Code)
- Current Rating: 0.5A~16A (Code)
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Mated
- IEC 61076-2-101(A/B/D-Code)
- IEC 61076-2-109 (X-Code)



### **M12 Series Cable (Data Group)** **Serial number: AB9063**

- Coupling System: Metal Threaded
- Connectors Type: M12
- AWG: 26AWG (X-Code)
- Operation Voltage: 50V AC/ 60V DC
- Single Contact: 1 A / Pin
- All Contacts Simultaneously: 0.5 A / Pin
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Unmated/ IP68 Mated
- IEC 61076-2-109 (X-Code)



### **M12 Series Cable (Power Group)**

**Serial number: AB9063**

- Coupling System: Metal Threaded
- Connectors Type: M12
- AWG: 14AWG (K/L-Code)/ 16AWG (S-Code )
- Operation Voltage: 63V DC (L-Code) / 690V AC (K / S-Code)
- Current Rating: 12A~16A(Code)
- Mating Cycle:  $\geq 100+$
- IP Rating: IP67 Mated
- Grounding: PE (Protective Earth) FE (Functional Earth) (Shield/ EMC)
- IEC 61076-2-111(L/K/S-Code)





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