

Waterproof CONNECTIVITY SOLUTIONS

M-Series CIRCULAR CONNECTOR



ATTEND M-series circular connectors cover an extensive range of M5/8/12/23 connectors supporting customers looking for solutions based on this international standard. This series has been proven as very reliable connectivity of choice for applications such as industrial automation, Ethernet system, intelligent transportation system, Traffic safety system and outdoor devices for many years.

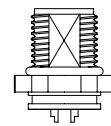
M5



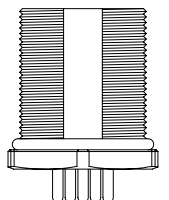
M8



M12



M23



The differentiation between M5, M8, M12, M23 circular connector



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220A-04FRF



220A-04MSF



220A-04FOO



220A-04MOO

M5 220 series

M5 circular connector is the most compact type in the M series. The straight and right angle types are available for your design needs. With an IP protection rating of IP67 and screw cap of durable design, this M5 circular connector type becomes the perfect solution for medical devices, automotive sensors, industrial controllers as well as embedded systems exposed to extreme working environments.

M8 219 series

Standardized M8 circular connectors thread is widely used in sensors installation, industrial machinery, and automation applications. Easy to install with an IP67 protection rating ensuring secure and reliable protection against water and dust.



219A-04MAR



219A-03FAF



219A-04FOO



219A-04MOO



221A-04MOO



221A-05FOO



221A-05FSF



221A-05MF0

M23 221 series

Most commonly used in large industrial device automation or commercial applications, the M23 series provide highly reliable performance in for signal transmission and power transfer with the IP67 protection rating ensuring the communication is never interrupted.

M12 216 series

The most type of all series, it offers support for high power and high frequency. It is considered the best option for high speed signal transmission and power feeding solution for industrial and rugged applications under more demanding environments thanks to its IP67 rating and robustness. In addition, its coding defined under the standards coding helps preventing incorrect mating connection.

Boost the limited speed: M12 X Code series

ATTEND proudly introducing the M12 X Code series with the passing result after the IEC61076-2-109 standard of M12 X code 500 MHz frequency and ISO11801 testing, it could be an excellent solution for unlocking the speed limit for customer's design.



A code



D code



X code

	A code	D code	X code
Contact	2 - 12	4	8
Rated Voltage (AC or DC)	250V (2-4 contacts) 60V (5 contacts) 30V (6-12 contacts)	250V	125V
Rated Current	4A (2-5 contacts) 2A (6-8 contacts) 1.5A (9-12 contacts)	4A	5A
Application	Connecting sensor Actuators Factory automation (EU)	Industrial Ethernet RJ45 replacement	High speed 10 Gbit/s rugged industrial



216A-05FAF



216A-08MAR



216A-05MOO



216A-05FOO



Testing Lab: LITek Technologies Co., Ltd.
Testing Model: M12 X-Code 2m/5m/10m CAT-6A Patch cable
Assembly High Speed Test Report.
Result: All Pass, including Return loss, Near End Crosstalk.