

## Amphenol LTW's M12 Series X-Coding for Gigabit Ethernet



Amphenol LTW's M12 X-code connector is suitable for 1~10 Gigabit Ethernet applications.

The connector's superior signal integrity is achieved by isolating the four signal pairs with a cross-shaped shield – X-coding. And with its complete 360° shielding, the connector reaches optimal signal performance categorized to Cat5e and up to Cat6A.

Compliant to IEC 61076-2-109, this M12 X-coding ensures industry wide connector compatibility. And it is ideal for wet and harsh environments or to any rugged product setting owing to its vibration-proof, corrosion resistant, and IPX7-rated waterproof capabilities.

At the moment Amphenol LTW is growing this M12 X-coding series to deliver another wide-ranging product family for your total system solutions.



Harsh environment



Private labeling available



IPX7 waterproof in mated condition



UL 94V-0 flammability rating



High data transmission rate



Space saving



Corrosion resistant



Fully Shielded

### Applications :



Industrial Automation



Broadband Wireless Access



IP CCTV & Security



MRT / Railway



Marine

### Specifications :

#### Mechanical Characteristics

Operating temperature	-40 °C ~ +85°C
Termination style	THT
Mating cycle	100
Vibration	10 ~ 55 Hz and 0,35 mm
Waterproof Rating	IPX7 (Mated & Locked Condition)
Mating recommended tightening torque	3~4 kgf.cm / 0.29~0.39 N.m

#### Materials & Finishes

Contact carrier	PA66
Contacts	Copper Alloy
Contact plating	Gold Plated
O-ring	Silicon

#### Electrical Characteristics

Current rating @40°C	0.5A
Voltage rating	48V
Contact resistance	<5mΩ

For more information, please contact:

**Marine, Industrial Automation and Others Markets:**

Global: Luc Kan | Sales & Marketing | Email: luc@ltw-tech.com

#### About Amphenol LTW

Amphenol LTW has actively devoted to various outdoor and industrial applications by successfully developing high-end waterproof connectors to meet strict requirements; also has many worldwide patents and certification such as ISO 14001, ISO 9001 and NMEA 2000...etc.. Now Amphenol LTW is not merely a supplier of waterproof connectors but also a solution provider in diversified market segments.

Amphenol LTW Technology Co., Ltd | 5F-3, No.51, Sec.4, Zhongyang Rd., Tucheng Dist., New Taipei City 23675, Taiwan  
Telephone: +886-2-7741-6888 | Fax: +886-2-7741-6999 | <http://www.amphenolltw.com>

