

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



ALTW

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