

Industrial Ethernet M12 to RJ45 Adaptor

For Ethernet networks that have to comply with protection class IP67/IP68, M12 plug connectors represent an attractive alternative to RJ45 - and are frequently more suitable. The M12 4Pin plug connector with D-coding has already been defined as an Industrial Ethernet standard according to IEC 61076-2-101. M12 connection technology is well established in sensor-actuator and fieldbus cabling and provides several advantages in industrial environments.

Amphenol LTW introduces M12 to RJ45 ODVA Compliant adaptors which provide a bulkhead style M12 connector on one end and a shielded RJ45 jack on the other end to address specific Industrial Ethernet applications. This connector is "D-Coded" according to IEC 61076-2-101 and supports both 10Base-T and 100Base-Tx Ethernet connections in IP67/IP68 between devices on the machine and in the switching cabinet. Its unique and stylish designs are suited for device interconnection, can be mounted to panel boards, easy to install/uninstall and can be connected to non-waterproof conventional pre-terminated RJ45 plug.

LTWSR-000400-0MF-IS001

M12 4Pin D-Code Male to RJ45 Jack, Straight



LTWSR-000400-0MF-ES001

M12 4Pin D-Code Male to RJ45 Jack, Right Angle

LTWSR-000400-0FF-IS001

M12 4Pin D-Code Female to RJ45 Jack, Straight



LTWSR-000400-0FF-ES001

M12 4Pin D-Code Female to RJ45 Jack, Right Angle

Specifications

Connector Type	Male and Female	Available Contact	4Pin D-Code
Locking Mechanism	Screw Type	Fixing Thread	M16 * 1.5
Degree of Protection	IP68 (M12 Side)	Nominal Current	1.5A
Temperature Range	-25°C to 90°C	Nominal Voltage	60V
Transmission Rate	10 / 100 Mbit / s	Material : Housing and Connector Insert : Nylon+GF (UL94-V0)	
Transmission Performance	Class D up to 100MHz Acc. IEC 11801 : 2002	Screw Nut : Zinc Alloy, Nickel Plated	
Number of Ports	1 x M12 D-Coded (IP68) 1 x RJ45 (IP20)	Shield : Copper Alloy, Nickel Plated	
		Contacts : Copper Alloy, Gold Plated	
		O-Ring : Viton	
		RJ45 Jack : PBT	

Other Options :

M12 Panel Mount Connectors, M12 Field Installable, T and Y - Splitters, Caps and M12 cable assemblies (configurations include male to male, male to female, as well as M12 to RJ45 plugs).



*Be the first to receive samples by contacting our sales representative for further information. Products will be released from June 2012.

For further information, please contact :

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About Amphenol LTW

LTW Technology, established in 1993, is a professional designer and manufacturer of waterproof connectors. Since April of 2010, LTW Technology was acquired by Amphenol Group and officially changed its company name to "Amphenol LTW Technology Co., Ltd.". 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.