New!

M12 X-Coded Connectors
For Gigabit Ethernet

JPC's M12 X-Coded connectors are available to meet Industry 4.0 automation control equipment. It can be used at Signal Transmission, Power, Sensor and Cable Connection. The connectors are designed for transmission technology according to CAT6A and 500MHz/10 Gigabit and are standardized to IEC 61076-2-109, ensuring an industry-wide connector compatibility.
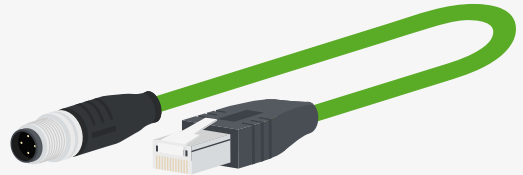
10 Gbps

Cable assembly

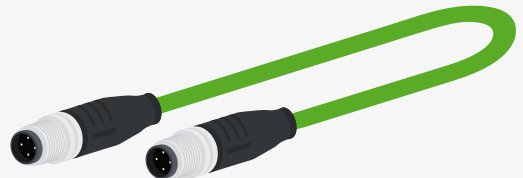**M12 X-coded to RJ45 cable**

M-X628-PMA-R
(Plug)

M-X628-RFA-R
(Receptacle)

M12 X-coded to M12 X-coded cable

Product specification

1. Cat.6A data transmission rate up to 10Gbps(500MHz)
2. IP67 waterproof rating
3. Vibration proof
4. Corrosion resistant
5. UL 94V-0 rated material
6. Compliant with IEC 61076-2-109
7. Current rating: 0.5A (max)
8. Rated voltage: 50V (max)

9. Insulation impedance(DC 500V, 1 minute, the results comes out): 100 MΩ MIN
10. Withstanding voltage: AC 800V, 1 minute
11. Contact resistance: DC 1A the results comes out Max 10 Ω
12. 1000 mating cycles
13. M12 screw locking mechanism
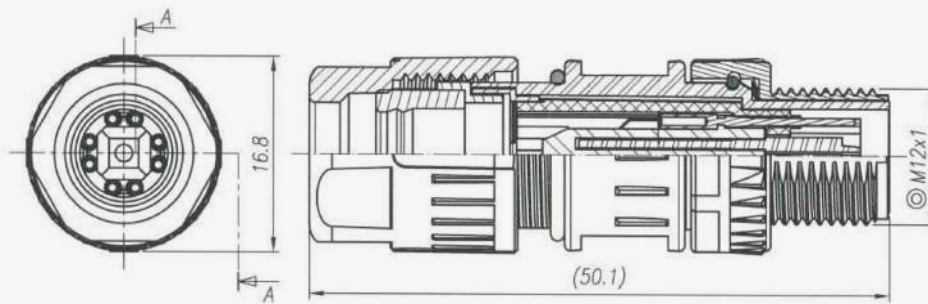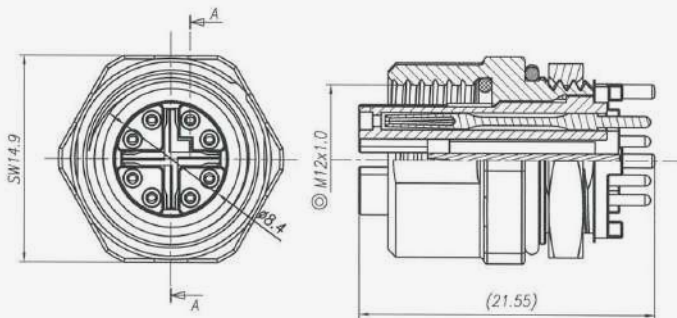14. Temperature range: -40°C to +85°C

PRODUCT SPECIFICATION

M-X628-PMA-R

M-X628-RFA-R

APPLICATION/MARKET

Industrial automation
Broadband wireless access
Surveillance systems
Mass rapid transit and railways
Ethernet Protocol:PROFINET/PROFIBUS/EtherCAT

M12 to RJ45
Ethernet Waterproof Cable Solution

CAT.6A 10Gbs

JPC's industrial waterproof cable offers reliable data transmission and features a waterproof design available in male and female version. It provides high-performance data transmission rate up to 10 Gbps for industrial applications. With CMX rated PVC cable jacket, it can be exposed to different harsh outdoor conditions.

RJ45 Waterproof Female

Ø14.2mm

M12 X-CODE MALE

RJ45 Waterproof Female

RJ45 Waterproof Female

X-code MALE

X-code FEMALE

D-code MALE

D-code FEMALE

RJ45 JACK

RJ45 JACK (Screw Locking)

Reliable Solution for Industrial Application

Features	1. Support CAT6A S/FTP data transmission 10 Gbps 2. CMX/PVC cable jacket for outdoor conditions 3. Multiple cable lengths are available up to 90m 4. Shielded and waterproof 5. IP67 rated 6. 10GBASE-T
Specifications	1. M12 X code to RJ45 Jack (CAT6A, S/FTP) 2. M12 D code to RJ45 Jack (CAT5e, UTP) 3. RoHS Compliant
Applications	1. Industrial automation and camera system
Certificate	1. IP67 certification 2. FLUKE testing data
Testing Device	1. Air tightness testing machine 2. FLUKE

M12/RJ45 Female Cable

JPC P/N	Description
TNPM12X-FXXJ-XX-SF6A	M12 X-code Female to RJ45 Female Screw Locking (20 / 25 / 27 mm)
TNPM12X-MXXJ-XX-SF6A	M12 X-code Male to RJ45 Female Screw Locking (20 / 25 / 27 mm)
TNPM12X-FJ-XX-SF6A	M12 X-code Female to RJ45 Female
TNPM12X-FJ-XX-SF6A	M12 X-code Male to RJ45 Female