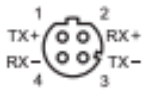
2.3 M12 10/100TX Connector Pin Assignment

The Industrial M12 Ethernet Switch front panel provides eight 10/100BASE-TX Fast Ethernet ports in the form of **M12 4-pin D-coded** female connector. These ports are designed for Ethernet equipment connection through Cat5/5e UTP cables. The M12 input interface pinout is shown below:

ISW-808PT-M12/ISW-808PT-M12A



Pinout 1: TX+
Pinout 2: RX+
Pinout 3: TX–
Pinout 4: RX–

Pinouts for the RJ45 (8-Pin) Port



Pin	Signal	
	MDI	MDI-X
1	TX+	RX+
2	TX–	RX–
3	RX+	TX+
6	RX–	TX–

4-pin M12 Female 10/100TX Connector Pin Assignment

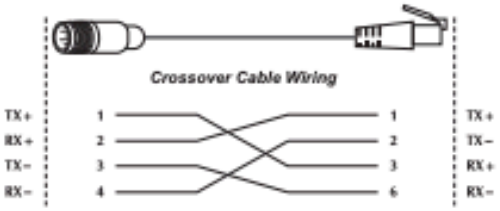
2.4 M12 (4-pin, Male) to RJ45 (8-pin) Cable



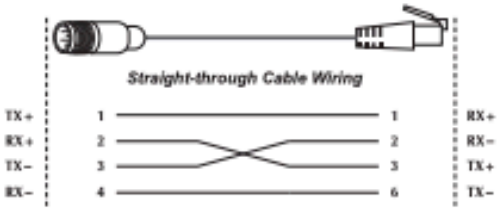
Note

As each Ethernet port of the Industrial M12 Ethernet Switch is running in **auto negotiation mode**, make sure the Ethernet ports of the corresponding Ethernet devices are also running in auto negotiation mode, otherwise, the Ethernet performance will be poor.

M12 (4-Pin, M) to RJ-45 (8-Pin) Crossover Cable Wiring



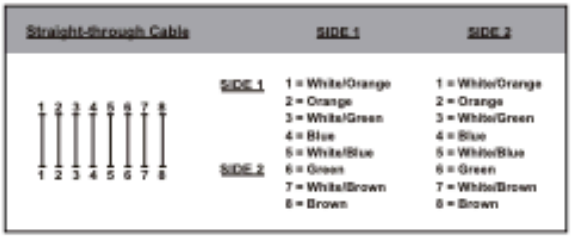
M12 (4-Pin, M) to RJ-45 (8-Pin) Straight-through Cable Wiring



2.5 The Standard RJ45 Receptacle/connector

There are 8 wires on a standard UTP/STP cable and each wire is color-coded. The following shows the pin allocation and colors of straight-through cable connection:





Please make sure your waterproof RJ45 cables are with same pin assignment and colors as the above picture before deploying the cables into your network.