



RS PRO Work Instruction Manual

M12 X Type Coded Assembled Male Connector

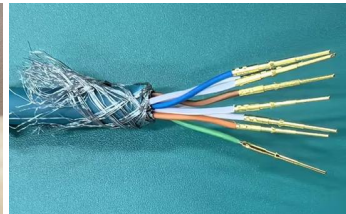
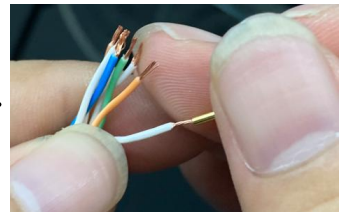
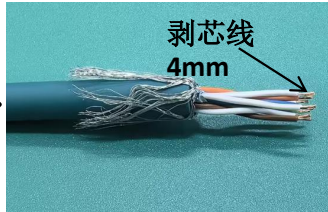
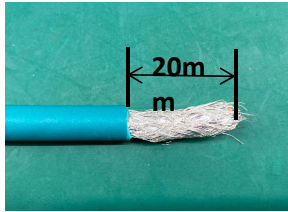
RS Stock No: 134-182



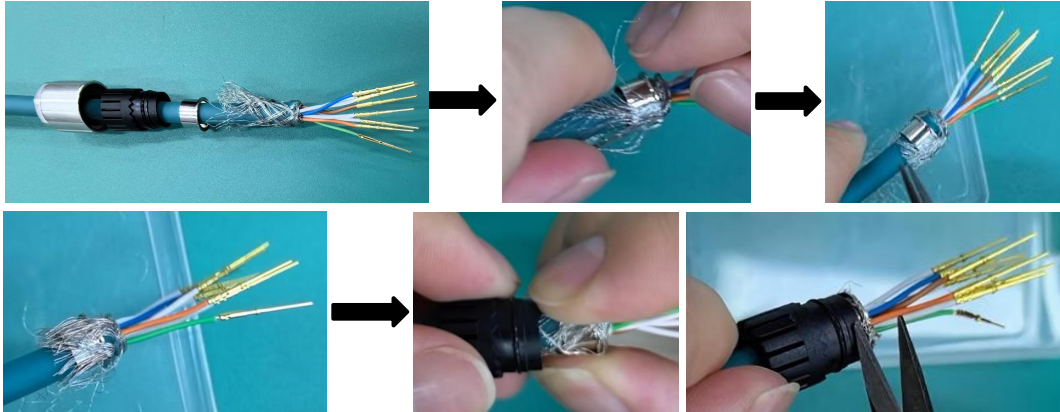
Step 1: Prepare the male plug and the needle-type assembled metal plug. Loosen and remove the assembled metal plug from the main connection nut, then separately take out the rubber core plastic sleeve and the needle clamp. Next, loosen and remove the tail locking nut, and take out the tail claw waterproof plug and the shielding ring.



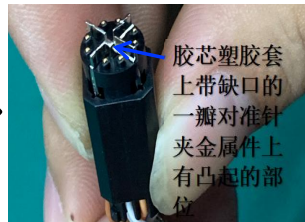
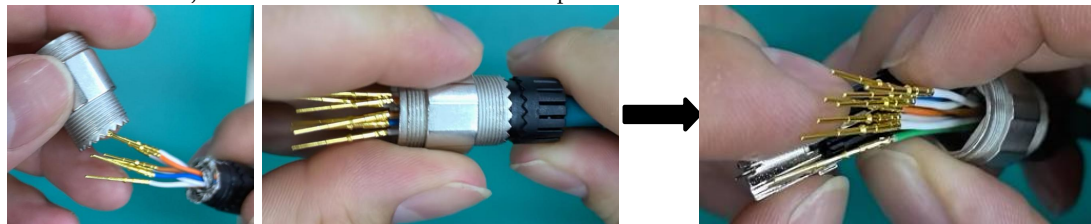
Step 2: Remove the 20mm outer sheath from the cut cable, perform wire processing, fold the braiding back, cut off the aluminum foil/cotton paper/fillers, and strip out 4mm of copper wire from the inner core wire. Then, insert the male pin into the wire and use the crimping pliers to crimp it in place.



Step 3: One by one, insert the lock nut, tail claw waterproof plug, and shielding ring onto the wire. Push the shielding ring forward, and evenly arrange the braided wire to completely surround the outer ring of the shielding ring. Trim the excess braided wire to be flush with the shielding ring. Then, move the tail claw waterproof plug to the front and assemble it with the shielding ring. Fix the braided wire in the middle between the tail claw waterproof plug and the shielding ring. Use scissors to cut off the loose threads that have not been installed.

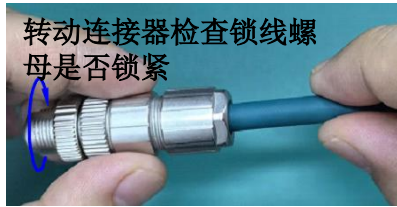
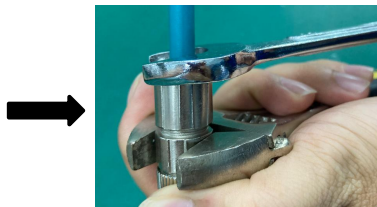


Step 4: Insert the main body from the male connector end. Align the toothed edge of the main body with the toothed edge of the tail cap waterproof plug and push it in until it is fully inserted. Then, fix the pressure-welded male connector according to the wiring definition on the drawing onto the needle holder. Place the inner core wire in the slot to avoid affecting the insertion of the anti-retraction plastic sleeve. After the male connector is fixed on the needle holder, attach the rubber core plastic sleeve.



Step 5: Align the connecting screws with the rubber core and insert them. Tighten the main connection nut to secure the connecting screws and the main body together. Then move the tail lock nut to the front and tighten it with a wrench to complete the assembly of the wiring harness.

Note: After the wiring harness is assembled, it is necessary to check whether the PIN pins are on the same plane and whether there are any uneven lengths; then, hold the wire with one hand and rotate the connector with the other hand. If it can rotate naturally, it indicates that it is not locked and is considered defective. If it cannot rotate, it is a good product.



Workholding fixtures

Crimping pliers, wire stripper
pliers, scissors, wrenches

产品编号: 1862D

参照美 标: M22520/1-01

压接能力: $0.14-4\text{mm}^2$

美国标准: 26-12AWG

长度: 245mm

重量: 0.55Kg

通孔直接: $\phi 5.6\text{mm}$

定位器: 不可拆卸单孔





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