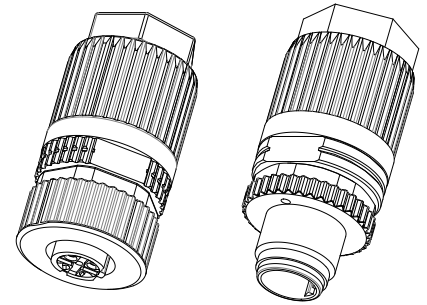


# M12x04D-MC/x

Ethernet cable connectors

- **M12F04D-MC/x – M12 cable connector socket**
- **M12M04D-MC/x – M12 cable connector plug**



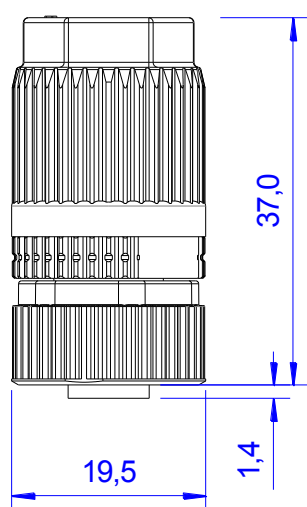
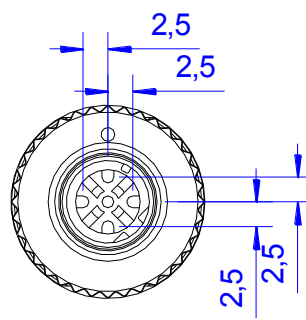
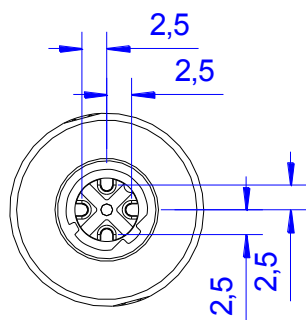
## TECHNICAL DATA

<b>Electric parametres</b>	
Maximal current	4 A
Maximal voltage	250 V AC
Insulation endurance	4 kV AC
Usage	10/100 Mbps Ethernet
<b>Material properties</b>	
Inflammability	UL94-V0
Connector body	Copper alloy
Insulator	PVC, PE
Pins	Gold plated copper
Connector hood	Copper alloy
Seal	TPU
<b>Mechanics</b>	
Pin number	4
Cable connection	Crimping
Cable diameter	4.5 mm to 8.8 mm
Connector type	M12, D coded
Wire gauge	
type A	AWG 24 to 28
type B	AWG 22 to 26
type C	AWG 20 to 24
type D	AWG 18 to 22
<b>Others</b>	
Cover protection rate	IP65 / IP67
Operating temperature	-40 °C to 85 °C
Storage temperature	-40 °C to 85 °C
Max. ambient humidity	100 % (when assembled)
Weight	47.9 g
Dimensions (w × h × d)	(41.3 × 19.5 × 19.5) mm

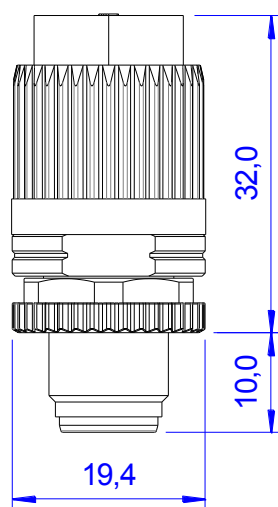
## ORDERING INFORMATION

<b>M12F04D-MC/A</b>	M12 socket, 4 pins, metal hood, AWG 24 to 28
<b>M12M04D-MC/A</b>	M12 plug, 4 pins, metal hood, AWG 24 to 28
<b>M12F04D-MC/B</b>	M12 socket, 4 pins, metal hood, AWG 22 to 26
<b>M12M04D-MC/B</b>	M12 plug, 4 pins, metal hood, AWG 22 to 26
<b>M12F04D-MC/C</b>	M12 socket, 4 pins, metal hood, AWG 20 to 24
<b>M12M04D-MC/C</b>	M12 plug, 4 pins, metal hood, AWG 20 to 24
<b>M12F04D-MC/D</b>	M12 socket, 4 pins, metal hood, AWG 18 to 22
<b>M12M04D-MC/D</b>	M12 plug, 4 pins, metal hood, AWG 18 to 22

## PHYSICAL DIMENSIONS



**M12F04D-MC/x**



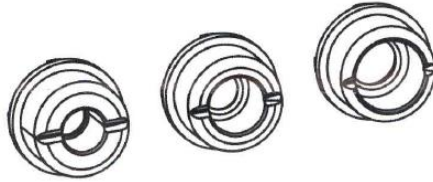
**M12M04D-MC/x**

# M12x04D-MC/x

Ethernet cable connectors

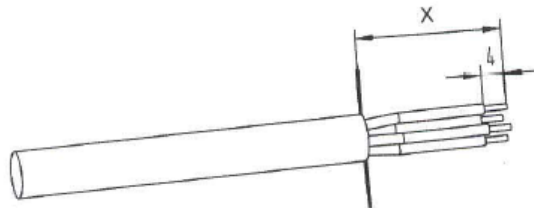
## CONNECTOR ASSEMBLY INSTRUCTION

1.



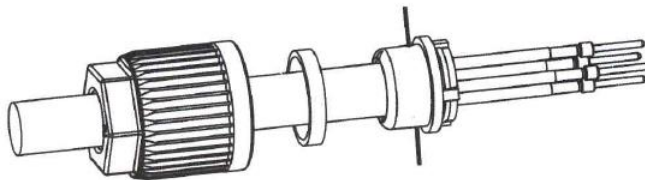
1. Choose required seal.

2.



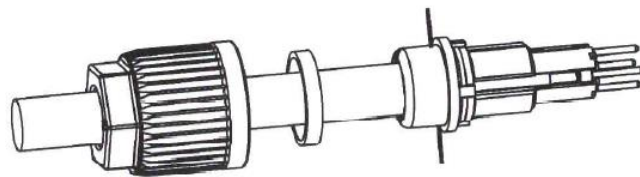
2. Remove cable jacket and strip cores. Twist screening braid as shown and crimp contacts. Put a pin on every contact.  
x = 20 mm to 22 mm (non twisted)  
x = 21 mm to 23 mm (twisted)

3.



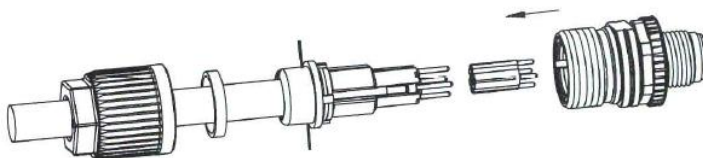
3. Slide screw cap, ring and sealing onto the cable. Push screening braid into the sealing slot.

4.



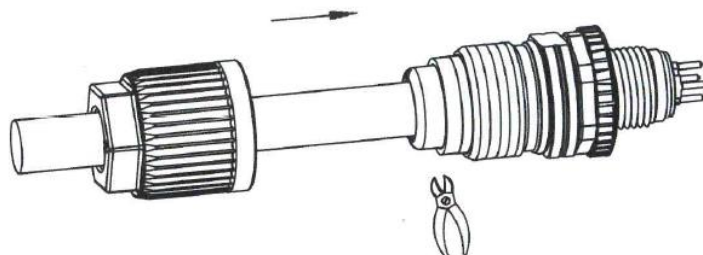
4. Insert contacts into insulator body from the side. Pay attention to insulator contact numbers.

5.



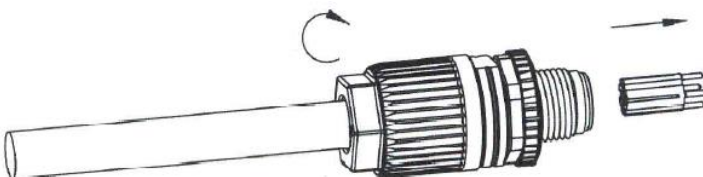
5. Fix contact with the assembly aid. Slide insulator body into connector housing. Pay attention to the coding.

6.



6. Seal has to be flush with connector housing. Slide ring over the seal and cut off screening braid.

7.



7. Fasten screw cap until it stops. Remove assembly aid.