

# M12 Female Molded Cables, Straight, UnShielded

M12 Circular Connector

Download date : 2025-12-06



Connector Series : M12  
Gender : Female  
Coding : A,B,C,D  
Locking Type : Fix Screw  
Mounting Type : Straight  
Part No : M12-X\*\*-ST0-F02-PC\*-XXX  
X:A,B,C,D Coding  
\*\*:03,04,05...(Pin)  
PC\*:PCC=Cable Jacket  
PVC(For Molded Cable)  
PC\*:PCR=Cable Jacket  
PUR(For Molded Cable)  
XXX:050=0.5M,100=1M,10M=10M...(Length)

For reference only!version1.0

## Technical Data

|                       |                    |
|-----------------------|--------------------|
| Standard              | IEC61076-2-101     |
| Ambient Temperatur    | -25°C-+80°C        |
| Insulation Resistance | $\geq 100M\Omega$  |
| Contact Resistance    | $\leq 5m\Omega$    |
| IP Class              | IP67               |
| Mating Endurance      | >100 Mating Cycles |

## Material Data

|                     |                                   |
|---------------------|-----------------------------------|
| Connector Carriers  | PA                                |
| Connector Contacts  | Copper Alloy With Gold Plated 铜镀金 |
| Connector Nut/Screw | Plastic PA66+GF 塑料                |
| Seal/O-Ring         | FKM 氟橡胶                           |
| Shielding           | Unshielded 非屏蔽                    |
| Connector Overmold  | TPU                               |

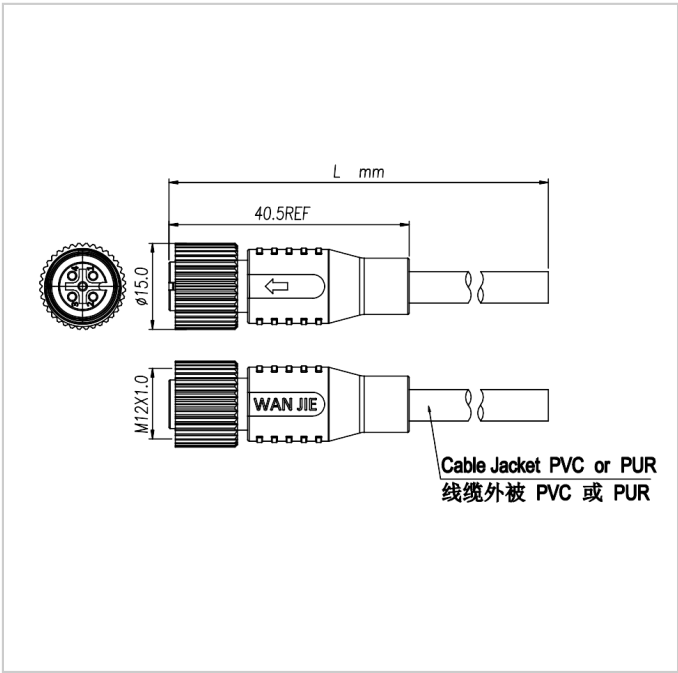
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Dimensions



| Contacts<br>Pin数 | Available Coding 防插错编码 |          |          |          | Rated Current<br>额定电流 | Voltage 电压 |      | Wire Range 接线范围      |                          | Cable Jacket<br>线缆外被 | Part NO.产品编号                                                                                             |
|------------------|------------------------|----------|----------|----------|-----------------------|------------|------|----------------------|--------------------------|----------------------|----------------------------------------------------------------------------------------------------------|
|                  | A-Coding               | B-Coding | C-Coding | D-Coding |                       | AC         | DC   | AWG                  | mm <sup>2</sup>          |                      |                                                                                                          |
| 03Pins           |                        |          | <br>2+PE |          | 4A                    | 250V       | 250V | 22                   | 0.34                     | PUR<br>PVC           | M12-A03-ST0-F02-PC*-XXX<br>M12-B03-ST0-F02-PC*-XXX<br>M12-C03-ST0-F02-PC*-XXX                            |
| 04Pins           |                        |          | <br>3+PE |          | 4A                    | 250V       | 250V | 22                   | 0.34                     | PUR<br>PVC           | M12-A04-ST0-F02-PC*-XXX<br>M12-B04-ST0-F02-PC*-XXX<br>M12-C04-ST0-F02-PC*-XXX<br>M12-D04-ST0-F02-PC*-XXX |
| 05Pins           |                        |          | <br>4+PE |          | 4A<br>2A              | 60V        | 60V  | 22<br>24<br>(C-code) | 0.34<br>0.25<br>(C-code) | PUR<br>PVC           | M12-A05-ST0-F02-PC*-XXX<br>M12-B05-ST0-F02-PC*-XXX<br>M12-C05-ST0-F02-PC*-XXX                            |
| 06Pins           |                        |          | <br>5+PE |          | 2A                    | 30V        | 30V  | 24                   | 0.25                     | PUR<br>PVC           | M12-C06-ST0-F02-PC*-XXX                                                                                  |
| 08Pins           |                        |          |          |          | 2A                    | 30V        | 30V  | 24                   | 0.25                     | PUR<br>PVC           | M12-A08-ST0-F02-PC*-XXX                                                                                  |
| 12Pins           |                        |          |          |          | 1.5A                  | 30V        | 30V  | 26                   | 0.14                     | PUR<br>PVC           | M12-A12-ST0-F02-PC*-XXX                                                                                  |
| 17Pins           |                        |          |          |          | 1.5A                  | 30V        | 30V  | 26                   | 0.14                     | PUR<br>PVC           | M12-A17-ST0-F02-PC*-XXX                                                                                  |