

M5 Male Molded Cables, Straight  
M5 Circular Connector

Download date : 2024-04-28



Connector Series : M5  
Gender : Male  
Coding : A  
Locking Type : Fix Screw  
Mounting Type: Straight  
Part No : M05-A\*\*-ST0-M02-BC\*-XXX  
A:A Coding  
\*\* : 03, 04 ( Pin )  
ST0:0=Unshielded , 2=Full  
Shield , 1=Ground  
BC\*: BCC=Cable Jacket PVC(For  
Molded Cable)  
BC\*: BCR=Cable Jacket PUR(For  
Molded Cable)  
XXX:050=0.5M, 100=1M,  
10M=10M...(Length)



For reference only!version1.0

Technical Data

|                       |                    |
|-----------------------|--------------------|
| Standard              | IEC61076-2-105     |
| Ambient Temperatur    | -25°C~+80°C        |
| Insulation Resistance | ≥100MΩ             |
| Contact Resistance    | ≤5mΩ               |
| IP Class              | IP67               |
| Mating Endurance      | >100 Mating Cycles |

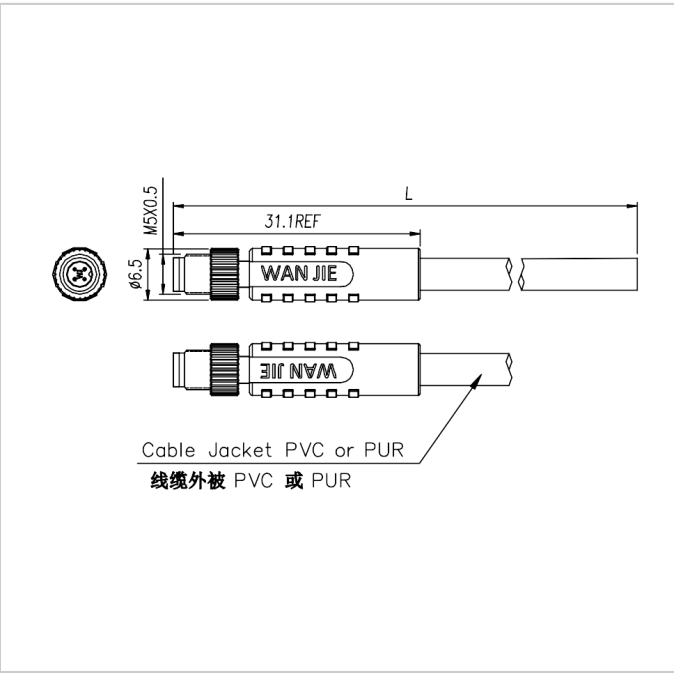
Material Data

|                     |                                     |
|---------------------|-------------------------------------|
| Connector Carriers  | PA                                  |
| Connector Contacts  | Copper Alloy With Gold Plated 铜镀金   |
| Connector Nut/Screw | Copper Alloy With Nickel Plated 铜镀镍 |
| Shielding           | Shielded 屏蔽/Unshielded 非屏蔽          |
| Connector Overmold  | TPU                                 |

Electrical Data & Mechanical Date

|                                |         |         |
|--------------------------------|---------|---------|
| Contacts Pin                   | 3Pins   | 4Pins   |
| Rated Current                  | 1A      | 1A      |
| Voltage AC/DC                  | 60V/60V | 60V/60V |
| Wire Range AWG/mm <sup>2</sup> | 26/0.14 | 26/0.14 |
| Cable Jacket                   | PUR/PVC |         |

Dimensions



Specification Selection Table

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| Contacts<br>Pin数 | Available Coding<br>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            |
|------------------|-----------------------------------------------------------------------------------------------|-----------------------|------------|-----|-----------------|-----------------|----------------------|-------------------------|
|                  |                                                                                               |                       | AC         | DC  | AWG             | mm <sup>2</sup> |                      |                         |
| 03Pins           | <br>A-Coding | 1A                    | 60V        | 60V | 26              | 0.14            | PVC                  | M05-A03-ST*-M02-BCC-XXX |
|                  |                                                                                               |                       |            |     |                 |                 | PUR                  | M05-A03-ST*-M02-BCR-XXX |
| 04Pins           | <br>A-Coding | 1A                    | 60V        | 60V | 26              | 0.14            | PVC                  | M05-A04-ST*-M02-BCC-XXX |
|                  |                                                                                               |                       |            |     |                 |                 | PUR                  | M05-A04-ST*-M02-BCR-XXX |