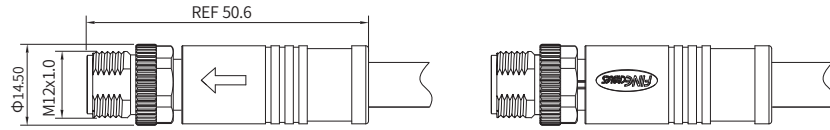


**M12 Y3-coding Straight Connector, Molded Cable, Shielded**

Male



CE RoHS IP67

**Specifications**

| Contacts              | 6                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------|
| Pin layout(Male)      |                                                                                     |
| Standard              | IEC 61076-2-113                                                                     |
| Ambient temperature   | -25°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation)          |
| Connector insert      | TPU+GF                                                                              |
| Connector contacts    | Brass with gold plated                                                              |
| Connector overmold    | TPU                                                                                 |
| Coupling nut/screw    | Brass with nickel plated                                                            |
| Seal/O-ring           | FKM                                                                                 |
| Insulation resistance | ≥ 100MΩ                                                                             |
| Contact resistance    | ≤ 10mΩ                                                                              |
| Shielding             | Available                                                                           |
| IP rating             | IP67 in locked condition                                                            |
| Mating endurance      | >500 cycles                                                                         |
| Rated current         | 12 A(Power pins) / 0.5A(Data pins)                                                  |
| Rated voltage         | 50V AC/ DC                                                                          |
| Wire gauge            | 1.25 mm <sup>2</sup> (AWG 16)(Power pins)/ 0.15 mm <sup>2</sup> (AWG 26)(Data pins) |

**Part Number**

| Pins | Cable length | Male                 |                      |
|------|--------------|----------------------|----------------------|
|      |              | PVC                  | PUR                  |
| 6    | 1m           | MA12MSY3F06ST-10CB25 | MA12MSY3F06ST-10RB25 |
|      | 3m           | MA12MSY3F06ST-30CB25 | MA12MSY3F06ST-30RB25 |
|      | 5m           | MA12MSY3F06ST-50CB25 | MA12MSY3F06ST-50RB25 |

**Default wire colors**

| Pin No.      |       |
|--------------|-------|
| Pin 1(Data)  | WH    |
| Pin 2(Data)  | OR    |
| Pin 3(Data)  | RD    |
| Pin 4(Data)  | GN    |
| Pin 5(Power) | RD    |
| Pin 6(Power) | BK    |
| Shell        | Braid |