

# Product data sheet

## M12 Molded Cable



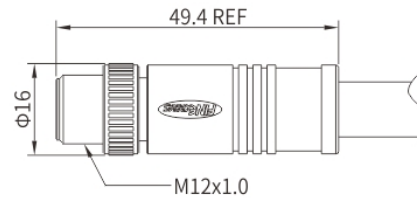
<https://finecables.com/m12-molded-cable-m-coded/1873/>

Product description M12 M-coding Male Straight Connector, Molded Cable, Shielded, Contacts: 6, IP67  
Part no. MA12MSMF06ST

### Illustration



### Scale drawing



You can find the assembly instructions on the next page.

### General features

Part no.	MA12MSMF06ST
Standard	IEC 61076-2-111
Ambient temperature	-25°C ~ +85°C (flexible installation)
Ambient temperature	-40°C ~ +85°C (fixed installation)
IP rating	IP67 in locked condition
Mating endurance	>500 cycles

### Electrical parameters

Insulation resistance	≥100MΩ
Contact resistance	≤10mΩ
Shielding	Available
Rated current	8A
Rated voltage	630V
Wire gauge	1.5mm <sup>2</sup> (AWG16)

### Material

Connector insert	PA+GF
Connector contacts	Brass with gold plated
Connector overmold	TPU
Coupling nut/screw	Brass with nickel plated

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Seal/O-ring                      FKM

## Security Notices

1. Do not plug or unplug the connector while it is under load. Failure to follow this warning or improper use may result in personal injury.
2. These connectors are designed for use in plant engineering, control systems, and electrical equipment construction. Users are responsible for verifying suitability if using them in other applications.
3. Connectors used in circuits with hazardous touch voltages must only be installed and operated by qualified personnel with electrical engineering training, or under their supervision, in accordance with applicable regulations and standards.
4. Users must take appropriate safety precautions to prevent accidental disconnection of the connector.
5. Please observe the specified pollution degree and overvoltage category. For more details, refer to the "Technical Information" section in our Download Center.

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