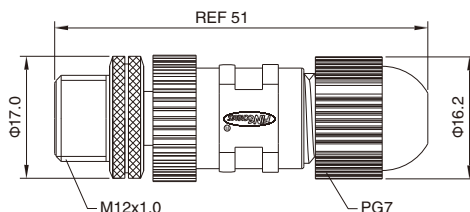


## M12 Male Field Wirable Assembly, Straight, Solder

- Connector series: M12
- Gender: Male
- Coding: A,B,C,D
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MB12MA\*FF\*\*ST

\* refers to coding type  
\*\* refers to pins number



### General information

Standard:	IEC 61076-2-101
Ambient temperature:	-20°C ~ +90°C
Connector insert:	TPU
Connector contacts:	Brass with gold plated
Connector nut/screw:	Brass with nickel plated
Connector body:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
Suitable cable Dia:	4~5.5mm
IP rating:	IP68 in locked condition
Mating endurance:	>500 cycles

### Electrical data & Mechanical data

Contacts	Available Coding				Contacts termination	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
	A	B	C	D			A/C	D/C	AWG	mm <sup>2</sup>		
03 pins					Solder version	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MAAFF03ST MB12MABFF03ST MB12MACFF03ST
04 pins					Solder version	4A	250V	250V	22AWG	0.34	PUR/PVC or customized	MB12MAAFF04ST MB12MABFF04ST MB12MACFF04ST MB12MADFF04ST
05 pins					Solder version	4A 2A (C-code)	60V	60V	22AWG 24AWG (C-code)	0.34 0.25 (C-code)	PUR/PVC or customized	MB12MAAFF05ST MB12MABFF05ST MB12MACFF05ST
06 pins					Solder version	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12MACFF05ST
08 pins					Solder version	2A	30V	30V	24AWG	0.25	PUR/PVC or customized	MB12MAAFF05ST
12 pins					Solder version	1.5A	30V	30V	26AWG	0.14	PUR/PVC or customized	MB12MAAFF05ST

### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please refer to Page 96 for products' part number encoding rule.