

M12 Female Molded Cables, Straight, Shielded

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**-ST2-F02-BC*-XXX
X:A,B,C,D Coding
**:03,04,05...(Pin)
ST2:2=Full Shield
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	IEC61076-2-101
Ambient Temperatur	-25°C~+80°C
Insulation Resistance	≥100MΩ
Contact Resistance	≤10mΩ
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
Seal/O-Ring	FKM 氟橡胶
Shielding	Shielded 屏蔽

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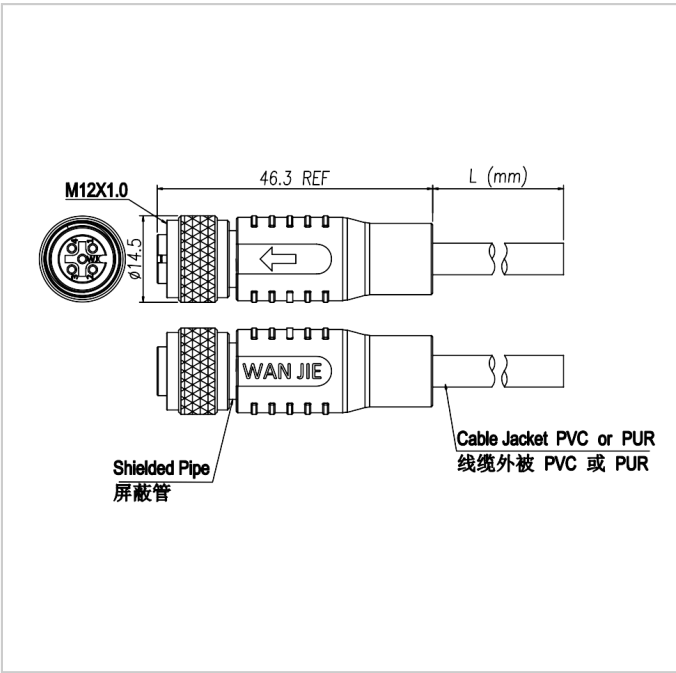


Connector Overmold	TPU			
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Electrical Data & Mechanical Date

Contacts Pin	3/4Pins	5Pins	6/8Pins	12/17Pins
Rated Current	4A	4/2A	2A	1.5A
Voltage AC/DC	250V	60V	30V	30V
Wire Range AWG/mm ²	22/0.34	22 , 24/0.34 , 0.25(C- code)	24/0.25	26/0.14
Cable Jacket	PUR/PVC			

Dimensions



Specification Selection Table

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Contacts Pin数	Available Coding 防插错编码				Rated Current 额定电流	Voltage 电压		Wire Range 接线范围		Cable Jacket 线缆外被	Part NO. 产品编号
	A-Coding	B-Coding	C-Coding	D-Coding		AC	DC	AWG	mm ²		
03Pins					4A	250V	250V	22	0.34	PUR PVC	M12-A03-ST2-F02-BC*-XXX M12-B03-ST2-F02-BC*-XXX M12-C03-ST2-F02-BC*-XXX
04Pins					4A	250V	250V	22	0.34	PUR PVC	M12-A04-ST2-F02-BC*-XXX M12-B04-ST2-F02-BC*-XXX M12-C04-ST2-F02-BC*-XXX M12-D04-ST2-F02-BC*-XXX
05Pins					4A 2A	60V	60V	22 24 (C-code)	0.34 0.25 (C-code)	PUR PVC	M12-A05-ST2-F02-BC*-XXX M12-B05-ST2-F02-BC*-XXX M12-C05-ST2-F02-BC*-XXX
06Pins					2A	30V	30V	24	0.25	PUR PVC	M12-C06-ST2-F02-BC*-XXX
08Pins					2A	30V	30V	24	0.25	PUR PVC	M12-A08-ST2-F02-BC*-XXX
12Pins					1.5A	30V	30V	26	0.14	PUR PVC	M12-A12-ST2-F02-BC*-XXX
17Pins					1.5A	30V	30V	26	0.14	PUR PVC	M12-A17-ST2-F02-BC*-XXX