

M12 Female Molded Cables, Straight, UnShielded

M12 Circular Connector

Download date : 2025-09-04



Connector Series : M12
Gender : Female
Coding : A,B,C,D
Locking Type : Fix Screw
Mounting Type : Straight
Part No : M12-X**-ST0-F02-ZC*-XXX
X:A,B,C,D Coding
**:03,04,05...(Pin)
ZC*:ZCC=Cable Jacket
PVC(For Molded Cable)
ZC*:ZCR=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	$\geq 100\text{M}\Omega$
Contact Resistance	$\leq 5\text{m}\Omega$
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	Zn Alloy With Nickel Plated 锌合金镀镍
Seal/O-Ring	FKM 氟橡胶
Shielding	Unshielded 非屏蔽
Connector Overmold	TPU

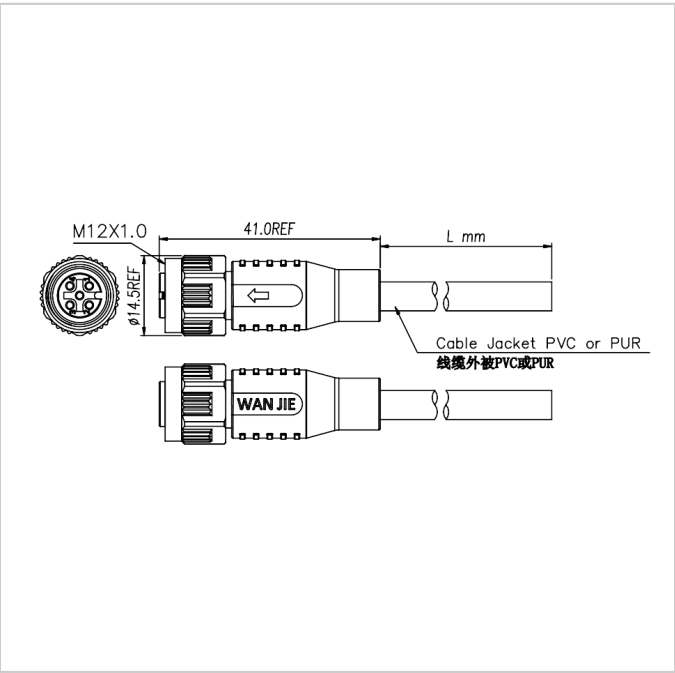
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Dimensions



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			 2+PE		4A	250V	250V	22	0.34	PUR PVC	M12-A03-ST0-F02-ZC*-XXX M12-B03-ST0-F02-ZC*-XXX M12-C03-ST0-F02-ZC*-XXX
04Pins			 3+PE		4A	250V	250V	22	0.34	PUR PVC	M12-A04-ST0-F02-ZC*-XXX M12-B04-ST0-F02-ZC*-XXX M12-C04-ST0-F02-ZC*-XXX M12-D04-ST0-F02-ZC*-XXX
05Pins			 4+PE		4A 2A	60V	60V	22 24 (C-code)	0.34 0.25 (C-code)	PUR PVC	M12-A05-ST0-F02-ZC*-XXX M12-B05-ST0-F02-ZC*-XXX M12-C05-ST0-F02-ZC*-XXX
06Pins			 5+PE		2A	30V	30V	24	0.25	PUR PVC	M12-C06-ST0-F02-ZC*-XXX
08Pins					2A	30V	30V	24	0.25	PUR PVC	M12-A08-ST0-F02-ZC*-XXX
12Pins					1.5A	30V	30V	26	0.14	PUR PVC	M12-A12-ST0-F02-ZC*-XXX
17Pins					1.5A	30V	30V	26	0.14	PUR PVC	M12-A17-ST0-F02-ZC*-XXX