

M12 Female Molded Cables, S-T-K-L-M Coding, Straight

M12 Circular Connector

Download date : 2025-10-19



Connector Series : M12

Gender : Female

Coding : S,T,K,L,M

Locking Type : Fix Screw

Mounting Type : Straight

Part No : M12-X**-ST0-F02-BC*-XXX

X:S,T,K,L,M Coding

**:.03,04,05,06(Pin)

ST0:0=UnShielded , 2=Full Shield

BC*:BCC=Cable Jacket PVC(For Molded Cable)

BC*:BCR=Cable Jacket PUR(For Molded Cable)

Cable)

XXX:050=0.5M,100=1M,10M=10M...(Length)



For reference only!version1.0

Technical Data

Standard	IEC61076-2-111
Ambient Temperatur	-25°C~+80°C
Insulation Resistance	$\geq 100M\Omega$
Contact Resistance	$\leq 10m\Omega$
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	Copper Alloy With Nickel Plated 铜镀镍
Seal/O-Ring	FKM 氟橡胶
Shielding	Shielded/UnShielded 屏蔽/非屏蔽

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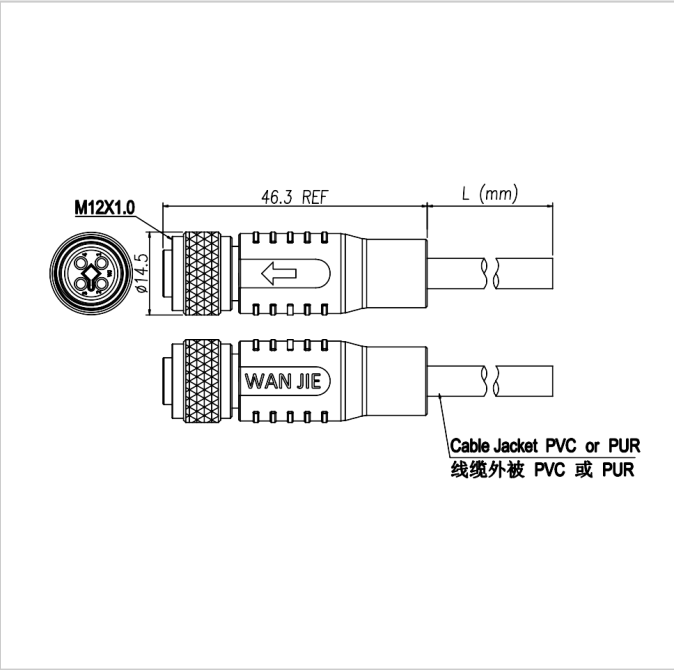
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Connector Overmold	TPU
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Dimensions



Specification Selection Table

Available Coding 防插错编码	Contacts Pin 芯数		Rated Current 额定电流	Rated Voltage 额定电压	Wire Range 接线范围		Cable Jacket 线缆外被	Part NO.产品编号
	03Pins	04Pins			AWG	mm ²		
S-Coding			16A(03Pin) 12A(04Pin)	630V	16	1.5	PUR PVC	M12-S03-ST*-F02-BC*-XXX M12-S04-ST*-F02-BC*-XXX
T-Coding			12A	60V	16	1.5	PUR PVC	M12-T03-ST*-F02-BC*-XXX M12-T04-ST*-F02-BC*-XXX
K-Coding			12A	630V	16	1.5	PUR PVC	M12-K03-ST*-F02-BC*-XXX M12-K04-ST*-F02-BC*-XXX M12-K05-ST*-F02-BC*-XXX
L-Coding			16A	63V	16	1.5	PUR PVC	M12-L03-ST*-F02-BC*-XXX M12-L04-ST*-F02-BC*-XXX M12-L05-ST*-F02-BC*-XXX
M-Coding			8A	630V	18	1.0	PUR PVC	M12-M03-ST*-F02-BC*-XXX M12-M04-ST*-F02-BC*-XXX M12-M05-ST*-F02-BC*-XXX M12-M06-ST*-F02-BC*-XXX