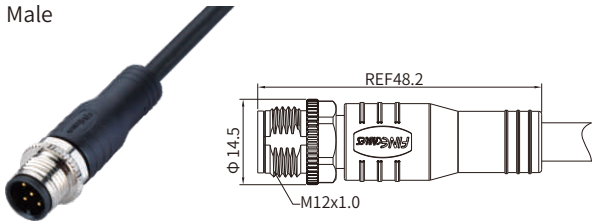


M12 A-coding (Sensor and Actuator)

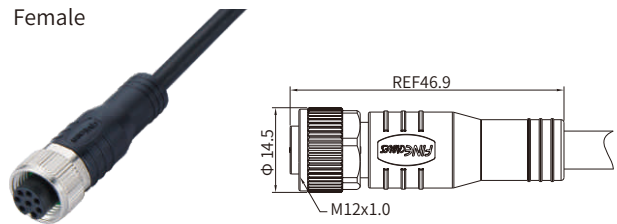


M12 A-coding Straight Connector, Molded Cable, Shielded

Male



Female



Specifications

Contacts	3	4	5	8	12	17
Certification	c RU US CYJV2(CYJV8).E321413				c RU US CYJV(CYJV7).E321413	
Pin layout(Male)						
Pin layout(Female)						
Standard	IEC 61076-2-101					
Ambient temperature	-25°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation)					
Connector insert	TPU+GF					
Connector contacts	Brass with gold plated					
Connector overmold	TPU					
Coupling nut/screw	Zinc alloy with nickel plated (12pin,17pin brass with nickel plated)					
Seal/O-ring(of Female)	FKM					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Shielding	Available					
IP rating	IP67, IP68, IP69K in locked condition					
Mating endurance	>500 cycles					
Rated current	4 A			2A		1.5A
Rated voltage	250V AC/DC			30V AC/DC		30V AC/DC
Wire gauge	0.34mm ² (AWG22)			0.25mm ² (AWG24)		0.14mm ² (AWG26)

Part Number

*12 pin 17 pin with different overmold from above other pins.

Pins	Cable length	Male		Female	
		PVC	PUR	PVC	PUR
3	1m	MA12MSAHD03ST-10CB34	MA12MSAHD03ST-10RB34	MA12FSAHD03ST-10CB34	MA12FSAHD03ST-10RB34
	3m	MA12MSAHD03ST-30CB34	MA12MSAHD03ST-30RB34	MA12FSAHD03ST-30CB34	MA12FSAHD03ST-30RB34
	5m	MA12MSAHD03ST-50CB34	MA12MSAHD03ST-50RB34	MA12FSAHD03ST-50CB34	MA12FSAHD03ST-50RB34
4	1m	MA12MSAHD04ST-10CB34	MA12MSAHD04ST-10RB34	MA12FSAHD04ST-10CB34	MA12FSAHD04ST-10RB34
	3m	MA12MSAHD04ST-30CB34	MA12MSAHD04ST-30RB34	MA12FSAHD04ST-30CB34	MA12FSAHD04ST-30RB34
	5m	MA12MSAHD04ST-50CB34	MA12MSAHD04ST-50RB34	MA12FSAHD04ST-50CB34	MA12FSAHD04ST-50RB34
5	1m	MA12MSAHD05ST-10CB34	MA12MSAHD05ST-10RB34	MA12FSAHD05ST-10CB34	MA12FSAHD05ST-10RB34
	3m	MA12MSAHD05ST-30CB34	MA12MSAHD05ST-30RB34	MA12FSAHD05ST-30CB34	MA12FSAHD05ST-30RB34
	5m	MA12MSAHD05ST-50CB34	MA12MSAHD05ST-50RB34	MA12FSAHD05ST-50CB34	MA12FSAHD05ST-50RB34
8	1m	MA12MSAHD08ST-10CB25	MA12MSAHD08ST-10RB25	MA12FSAHD08ST-10CB25	MA12FSAHD08ST-10RB25
	3m	MA12MSAHD08ST-30CB25	MA12MSAHD08ST-30RB25	MA12FSAHD08ST-30CB25	MA12FSAHD08ST-30RB25
	5m	MA12MSAHD08ST-50CB25	MA12MSAHD08ST-50RB25	MA12FSAHD08ST-50CB25	MA12FSAHD08ST-50RB25
12	1m	MA12MSAF12ST-10CB14	MA12MSAF12ST-10RB14	MA12FSAF12ST-10CB14	MA12FSAF12ST-10RB14
	3m	MA12MSAF12ST-30CB14	MA12MSAF12ST-30RB14	MA12FSAF12ST-30CB14	MA12FSAF12ST-30RB14
	5m	MA12MSAF12ST-50CB14	MA12MSAF12ST-50RB14	MA12FSAF12ST-50CB14	MA12FSAF12ST-50RB14
17	1m	MA12MSAF17ST-10CB14	MA12MSAF17ST-10RB14	MA12FSAF17ST-10CB14	MA12FSAF17ST-10RB14
	3m	MA12MSAF17ST-30CB14	MA12MSAF17ST-30RB14	MA12FSAF17ST-30CB14	MA12FSAF17ST-30RB14
	5m	MA12MSAF17ST-50CB14	MA12MSAF17ST-50RB14	MA12FSAF17ST-50CB14	MA12FSAF17ST-50RB14

Default wire colors

Pin No.																	
Pin 1	BN	WH	BU	BK	GY	PK	BU	RD	OR	TP	BK	VT	BN	BU	WH	GN	PK
Pin 2	WH	BU	BK	GY	PK	BU	RD	OR	TP	BK	VT	BN	BU	WH	GN	PK	BN
Pin 3	BU	BK	GY	PK	BU	RD	OR	TP	BK	VT	BN	BU	WH	GN	PK	BN	BU
Pin 4	BK	GY	PK	BU	RD	OR	TP	BK	VT	BN	BU	WH	GN	PK	BN	BU	WH
Pin 5																	
Pin 6																	
Pin 7																	
Pin 8																	
Pin 9																	
Pin 10																	
Pin 11																	
Pin 12																	
Shell	Braid																