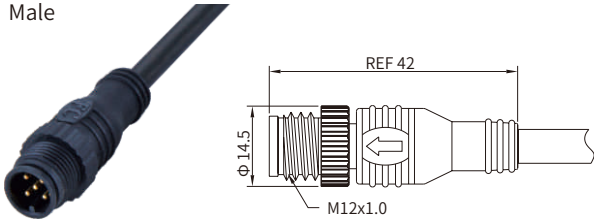


# M12 A-coding (Sensor and Actuator)

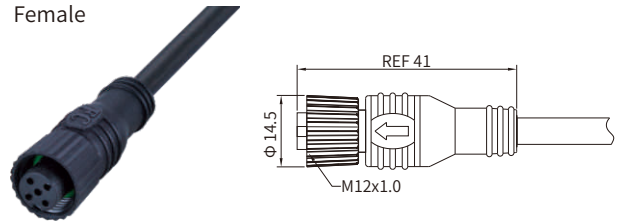


## M12 A-coding Straight Connector, Molded Cable, Plastic

Male



Female



### Specifications

Contacts	3	4	5	8	12	17
Certification	CYJV2(CYJV8).E321413				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					
Connector contacts	Brass with gold plated					
Connector overmold	TPU					
Coupling nut/screw	PA+GF					
Seal/O-ring(of Female)	FKM					
Insulation resistance	≥ 100MΩ					
Contact resistance	≤ 5mΩ					
Shielding	Unavailable					
IP rating	IP67, IP68 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 <sup>2</sup> (AWG22)			0.25mm <sup>2</sup> (AWG24)		0.14mm <sup>2</sup> (AWG26)

### Part Number

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

Pins	Cable length	Male		Female	
		PVC	PUR	PVC	PUR
3	1m	MA12MAP03ST-10CB34	MA12MAP03ST-10RB34	MA12FAP03ST-10CB34	MA12FAP03ST-10RB34
	3m	MA12MAP03ST-30CB34	MA12MAP03ST-30RB34	MA12FAP03ST-30CB34	MA12FAP03ST-30RB34
	5m	MA12MAP03ST-50CB34	MA12MAP03ST-50RB34	MA12FAP03ST-50CB34	MA12FAP03ST-50RB34
4	1m	MA12MAP04ST-10CB34	MA12MAP04ST-10RB34	MA12FAP04ST-10CB34	MA12FAP04ST-10RB34
	3m	MA12MAP04ST-30CB34	MA12MAP04ST-30RB34	MA12FAP04ST-30CB34	MA12FAP04ST-30RB34
	5m	MA12MAP04ST-50CB34	MA12MAP04ST-50RB34	MA12FAP04ST-50CB34	MA12FAP04ST-50RB34
5	1m	MA12MAP05ST-10CB34	MA12MAP05ST-10RB34	MA12FAP05ST-10CB34	MA12FAP05ST-10RB34
	3m	MA12MAP05ST-30CB34	MA12MAP05ST-30RB34	MA12FAP05ST-30CB34	MA12FAP05ST-30RB34
	5m	MA12MAP05ST-50CB34	MA12MAP05ST-50RB34	MA12FAP05ST-50CB34	MA12FAP05ST-50RB34
8	1m	MA12MAP08ST-10CB25	MA12MAP08ST-10RB25	MA12FAP08ST-10CB25	MA12FAP08ST-10RB25
	3m	MA12MAP08ST-30CB25	MA12MAP08ST-30RB25	MA12FAP08ST-30CB25	MA12FAP08ST-30RB25
	5m	MA12MAP08ST-50CB25	MA12MAP08ST-50RB25	MA12FAP08ST-50CB25	MA12FAP08ST-50RB25
12	1m	MA12MAP12ST-10CB14	MA12MAP12ST-10RB14	MA12FAP12ST-10CB14	MA12FAP12ST-10RB14
	3m	MA12MAP12ST-30CB14	MA12MAP12ST-30RB14	MA12FAP12ST-30CB14	MA12FAP12ST-30RB14
	5m	MA12MAP12ST-50CB14	MA12MAP12ST-50RB14	MA12FAP12ST-50CB14	MA12FAP12ST-50RB14
17	1m	MA12MAP17ST-10CB14	MA12MAP17ST-10RB14	MA12FAP17ST-10CB14	MA12FAP17ST-10RB14
	3m	MA12MAP17ST-30CB14	MA12MAP17ST-30RB14	MA12FAP17ST-30CB14	MA12FAP17ST-30RB14
	5m	MA12MAP17ST-50CB14	MA12MAP17ST-50RB14	MA12FAP17ST-50CB14	MA12FAP17ST-50RB14

### Default wire colors

Pin No.						
Pin 1	BN	BN	BN	WH	WH	BN 13. WH/GN
Pin 2		WH	WH	BN	BN	BU 14. BN/GN
Pin 3	BU	BU	BU	GN	GN	WH 15. WH/YE
Pin 4	BK	BK	BK	YE	YE	GN 16. YE/BN
Pin 5			GY	GY	GY	PK 17. WH/GY
Pin 6				PK	PK	YE
Pin 7				BU	BU	BK
Pin 8				RD	RD	GY
Pin 9					OR	RD
Pin 10					TP	VT
Pin 11					BK	GY/PK
Pin 12					VT	RD/BU