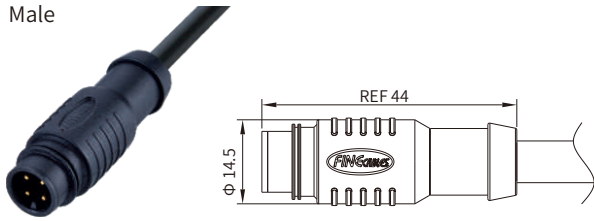


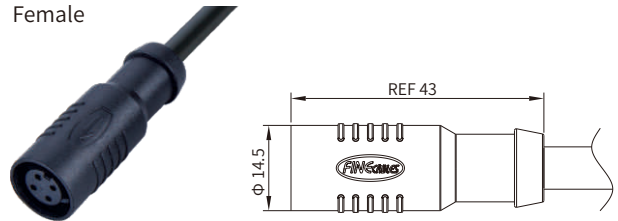
M12 A-coding (Sensor and Actuator)

M12 A-coding Straight Connector, Molded Cable, Snap-in Type

Male



Female



Specifications

Contacts	3	4	5	8
Pin layout(Male)				
Pin layout(Female)				
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			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Shielding	Unavailable			
IP rating	IP65 in locked condition			
Mating endurance	>500 cycles			
Rated current	4 A		2A	
Rated voltage	250V AC/DC		60V AC/DC 30V AC/DC	
Wire gauge	0.34mm ² (AWG22)		0.25mm ² (AWG24)	

Part Number

Pins	Cable length	Male		Female	
		PVC	PUR	PVC	PUR
3	1m	MA12MAI03ST-10CB34	MA12MAI03ST-10RB34	MA12FAI03ST-10CB34	MA12FAI03ST-10RB34
	3m	MA12MAI03ST-30CB34	MA12MAI03ST-30RB34	MA12FAI03ST-30CB34	MA12FAI03ST-30RB34
	5m	MA12MAI03ST-50CB34	MA12MAI03ST-50RB34	MA12FAI03ST-50CB34	MA12FAI03ST-50RB34
4	1m	MA12MAI04ST-10CB34	MA12MAI04ST-10RB34	MA12FAI04ST-10CB34	MA12FAI04ST-10RB34
	3m	MA12MAI04ST-30CB34	MA12MAI04ST-30RB34	MA12FAI04ST-30CB34	MA12FAI04ST-30RB34
	5m	MA12MAI04ST-50CB34	MA12MAI04ST-50RB34	MA12FAI04ST-50CB34	MA12FAI04ST-50RB34
5	1m	MA12MAI05ST-10CB34	MA12MAI05ST-10RB34	MA12FAI05ST-10CB34	MA12FAI05ST-10RB34
	3m	MA12MAI05ST-30CB34	MA12MAI05ST-30RB34	MA12FAI05ST-30CB34	MA12FAI05ST-30RB34
	5m	MA12MAI05ST-50CB34	MA12MAI05ST-50RB34	MA12FAI05ST-50CB34	MA12FAI05ST-50RB34
8	1m	MA12MAI08ST-10CB25	MA12MAI08ST-10RB25	MA12FAI08ST-10CB25	MA12FAI08ST-10RB25
	3m	MA12MAI08ST-30CB25	MA12MAI08ST-30RB25	MA12FAI08ST-30CB25	MA12FAI08ST-30RB25
	5m	MA12MAI08ST-50CB25	MA12MAI08ST-50RB25	MA12FAI08ST-50CB25	MA12FAI08ST-50RB25

Default wire colors

Pin No.				
Pin 1	BN	BN	BN	WH
Pin 2		WH	WH	BN
Pin 3	BU	BU	BU	GN
Pin 4	BK	BK	BK	YE
Pin 5			GY	GY
Pin 6				PK
Pin 7				BU
Pin 8				RD