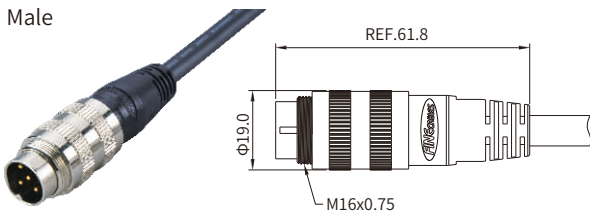


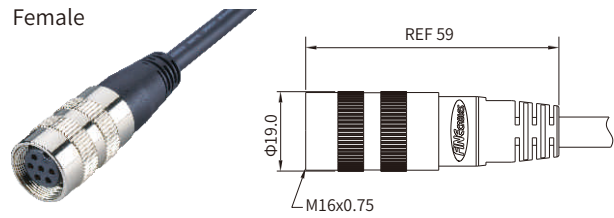
# M16

## M16 Straight Connector, Molded Cable

Male



Female



RoHS

RoHS

### Specifications

Contacts	2	3	4	5-a	5-b	6	7-a	7-b	8	12	14-b	19
Pin layout(Male)												
Pin layout(Female)												
Standard	IEC 61076-2-106											
Ambient temperature	-25°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation)											
Connector insert	PBT											
Connector contacts	Brass with gold plated											
Connector overmold	TPU											
Coupling nut/screw	Zinc alloy with nickel plated											
O-ring(of Female)	NBR/FKM											
Insulation resistance	≥100MΩ											
Contact resistance	≤5mΩ											
Shielding	Unavailable											
IP rating	IP65, IP67 in locked condition											
Mating endurance	>100 cycles											
Rated current	5A(40°C)										1A(40°C)	
Rated voltage	100V AC/DC			63V AC/DC		32V AC/DC		63V AC/DC		32V AC/DC		
Wire gauge	0.75mm <sup>2</sup> (AWG18)										0.25mm <sup>2</sup> (AWG24)	

### Part Number

Pins	Cable length	Male		Female	
		PVC	PUR	PVC	PUR
2	1m	MA16MAF02ST-10CB75	MA16MAF02ST-10RB75	MA16FAF02ST-10CB75	MA16FAF02ST-10RB75
3	1m	MA16MAF03ST-10CB75	MA16MAF03ST-10RB75	MA16FAF03ST-10CB75	MA16FAF03ST-10RB75
4	1m	MA16MAF04ST-10CB75	MA16MAF04ST-10RB75	MA16FAF04ST-10CB75	MA16FAF04ST-10RB75
5-a	1m	MA16MAF05AST-10CB75	MA16MAF05AS-T10RB75	MA16FAF05AST-10CB75	MA16FAF05AST-10RB75
5-b	1m	MA16MAF05BST-10CB75	MA16MAF05BS-T10RB75	MA16FAF05BST-10CB75	MA16FAF05BST-10RB75
6	1m	MA16MAF06ST-10CB75	MA16MAF06ST-10RB75	MA16FAF06ST-10CB75	MA16FAF06ST-10RB75
7-a	1m	MA16MAF07AST-10CB75	MA16MAF07AST-10RB75	MA16FAF07AST-10CB75	MA16FAF07AST-10RB75
7-b	1m	MA16MAF07BST-10CB75	MA16MAF07BST-10RB75	MA16FAF07BST-10CB75	MA16FAF07BST-10RB75
8	1m	MA16MAF08ST-10CB75	MA16MAF08ST-10RB75	MA16FAF08ST-10CB75	MA16FAF08ST-10RB75
12	1m	MA16MAF12ST-10CB25	MA16MAF12ST-10RB25	MA16FAF12ST-10CB25	MA16FAF12ST-10RB25
14-b	1m	MA16MAF14BST-10CB25	MA16MAF14BST-10RB25	MA16FAF14BST-10CB25	MA16FAF14BST-10RB25
19	1m	MA16MAF19ST-10CB25	MA16MAF19ST-10RB25	MA16FAF19ST-10CB25	MA16FAF19ST-10RB25

### Default wire colors

Pin No.													
Pin 1	RD	BN	BN	BN	WH	WH	WH	WH	WH	WH	WH	WH	WH
Pin 2	BK	BU	WH	WH	BN	BN	BN	BN	BN	BN	BK	BK	BK
Pin 3		BK	BU	BU	BU	GN	GN	GN	GN	GN	GN	GN	GN
Pin 4			BK	BK	BK	YE	YE	YE	YE	YE	RD	RD	RD
Pin 5				GY	GY	GY	GY	GY	GY	GY	OR	OR	OR
Pin 6						PK	PK	PK	PK	PK	BU	BU	BU
Pin 7							BU	BU	BU	BU	BN	BN	BN
Pin 8									RD	RD	YE	YE	YE
Pin 9										OR	VT	VT	VT
Pin 10										TP	GY	GY	GY
Pin 11										BK	PK	PK	PK
Pin 12										VT	BK/WH	BK/WH	BK/WH
Pin 13											BK/RD	BK/RD	BK/RD
Pin 14											BK/GN	BK/GN	BK/GN
Pin 15												BK/YE	BK/YE
Pin 16												BK/BN	BK/BN
Pin 17												BK/BU	BK/BU
Pin 18												OR/WH	OR/WH
Pin 19												GN/WH	GN/WH