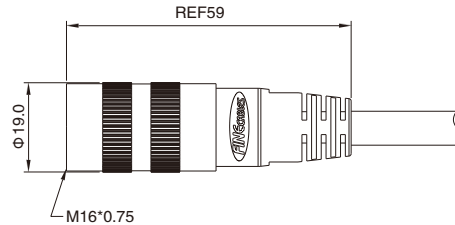


## M16 Female Molded Cable, Straight

- Connector series: M16
- Gender: Female
- Locking type: Fix screw
- Mounting type: Straight
- Part No.: MA16FAF\*\*STXXXXXX

\*\* refers to pins number  
X refers to cable specification



### General information



Standard:	IEC 61076-2-106
Ambient temperature:	-40°C ~ +70°C (fixed installation) -25°C ~ +70°C (flexible installation)
Connector insert:	BPT
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Seal/ O-ring:	Zinc alloy with nickel plated
Coupling screw:	NBR/FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available/Unavailable
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

### Electrical data & Mechanical data

Contacts	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
		A/C	D/C	AWG	mm <sup>2</sup>		
02 pins	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF02STXXXXB75 MA16FSAF02STXXXXB75
03 pins	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF03STXXXXB75 MA16FSAF03STXXXXB75
04 pins	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF04STXXXXB75 MA16FSAF04STXXXXB75
05 pins-a	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF05ASTXXXXB75 MA16FSAF05ASTXXXXB75
05 pins-b	6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16FAF05BSTXXXXB75 MA16FSAF05BSTXXXXB75
06 pins	5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF06STXXXXB75 MA16FSAF06STXXXXB75
07 pins-a	5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MA16FAF07ASTXXXXB75 MA16FSAF07ASTXXXXB75
07 pins-b	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16FAF07BSTXXXXB75 MA16FSAF07BSTXXXXB75
08 pins	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16FAF08STXXXXB75 MA16FSAF08STXXXXB75
14 pins	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MA16FAF14STXXXXXX MA16FSAF14STXXXXXX
19 pins	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MA16FAF19STXXXXXX MA16FSAF19STXXXXXX

### Remarks

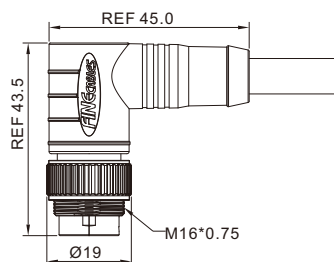
Note: X refers to cable specification, S : Shielded

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.

## M16 Male Molded Cable, Angled

- Connector series: M16
- Gender: Male
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA16MAF\*\*RAXXXXXX

\*\* refers to pins number  
X refers to cable specification



RoHS

### General information

Standard:	IEC 61076-2-106
Ambient temperature:	-40°C ~ +70°C (fixed installation) -25°C ~ +70°C (flexible installation)
Connector insert:	BPT
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Coupling screw:	Zinc alloy with nickel plated
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available/Unavailable
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

### Electrical data & Mechanical data

Contacts		Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
			A/C	D/C	AWG	mm <sup>2</sup>		
02 pins		7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16MAF02RAXXXB75 MA16MSAF02RAXXXB75
03 pins		7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16MAF03RAXXXB75 MA16MSAF03RAXXXB75
04 pins		6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16MAF04RAXXXB75 MA16MSAF04RAXXXB75
05 pins-a		6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16MAF05ARAXXXB75 MA16MSAF05ARAXXXB75
05 pins-b		6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16MAF05BRAXXXB75 MA16MSAF05BRAXXXB75
06 pins		5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16MAF06RAXXXB75 MA16MSAF06RAXXXB75
07 pins-a		5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MA16MAF07ARAXXXB75 MA16MSAF07ARAXXXB75
07 pins-b		5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16MAF07BRAXXXB75 MA16MSAF07BRAXXXB75
08 pins		5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16MAF08RAXXXB75 MA16MSAF08RAXXXB75
14 pins		3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MA16MAF14RAXXXXXX MA16MSAF14RAXXXXXX
19 pins		3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MA16MAF19RAXXXXXX MA16MSAF19RAXXXXXX

### Remarks

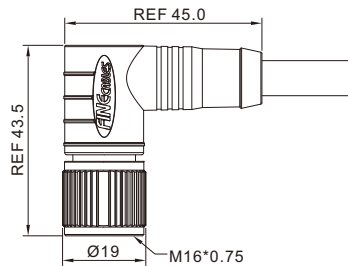
Note: X refers to cable specification, S : Shielded

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.

## M16 Female Molded Cable, Angled

- Connector series: M16
- Gender: Female
- Locking type: Fix screw
- Mounting type: Right angled
- Part No.: MA16FAF\*\*RAXXXXXX

\*\* refers to pins number  
X refers to cable specification



RoHS

### General information

Standard:	IEC 61076-2-106
Ambient temperature:	-40°C ~ +70°C(fixed installation) -25°C ~ +70°C(flexible installation)
Connector insert:	BPT
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Seal/ O-ring:	Zinc alloy with nickel plated
Coupling screw:	NBR/FKM
Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Available/Unavailable
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

### Electrical data & Mechanical data

Contacts	Rated current	Voltage		Wire gauge / size		Cable jacket	Part No.
		A/C	D/C	AWG	mm <sup>2</sup>		
02 pins	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF02RAXXXB75 MA16FSAF02RAXXXB75
03 pins	7A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF03RAXXXB75 MA16FSAF03RAXXXB75
04 pins	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF04RAXXXB75 MA16FSAF04RAXXXB75
05 pins-a	6A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF05ARAXXXB75 MA16FSAF05ARAXXXB75
05 pins-b	6A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16FAF05BRAXXXB75 MA16FSAF05BRAXXXB75
06 pins	5A(40°C)	250V	32V	18AWG	0.75	PUR/PVC	MA16FAF06RAXXXB75 MA16FSAF06RAXXXB75
07 pins-a	5A(40°C)	125V	32V	18AWG	0.75	PUR/PVC	MA16FAF07ARAXXXB75 MA16FSAF07ARAXXXB75
07 pins-b	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16FAF07BRAXXXB75 MA16FSAF07BRAXXXB75
08 pins	5A(40°C)	60V	32V	18AWG	0.75	PUR/PVC	MA16FAF08RAXXXB75 MA16FSAF08RAXXXB75
14 pins	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MA16FAF14RAXXXXXX MA16FSAF14RAXXXXXX
19 pins	3A(40°C)	60V	32V	Max.24AWG	Max.0.25	PUR/PVC	MA16FAF19RAXXXXXX MA16FSAF19RAXXXXXX

### Remarks

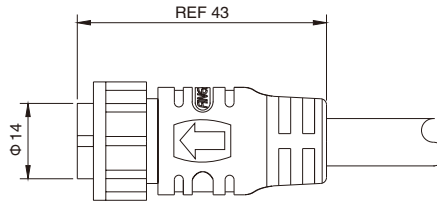
Note: X refers to cable specification, S : Shielded

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.

## M16 Male Molded Cable, Straight, Quick-lock Type

- Connector series: M16
- Gender: Male
- Locking type: Quick-lock
- Mounting type: Straight
- Part No.: MA16MAQ\*\*STXXX34

\*\* refers to pins number  
X refers to cable specification



RoHS

### General information

Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA + GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Quick-lock fix cap:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

### Electrical data & Mechanical data

Contacts	Rated current	Voltage		Wire gauge / size		Cable jacket	Wire insulation	Part No.
		A/C	D/C	AWG	mm <sup>2</sup>			
08 pins	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MA16MAQ08STXXXB34
09 pins	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MA16MAQ09STXXXB34

Note: X refers to cable specification

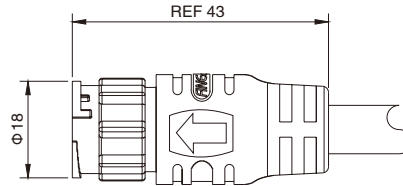
### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.

## M16 Female Molded Cable, Straight, Quick-lock Type

- Connector series: M16
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Straight
- Part No.: MA16FAQ\*\*STXXXX34

\*\* refers to pins number  
X refers to cable specification



### General information

RoHS

Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA + GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

### Electrical data & Mechanical data

Contacts	Rated current	Voltage		Wire gauge / size		Cable jacket	Wire insulation	Part No.
		A/C	D/C	AWG	mm <sup>2</sup>			
08 pins	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MA16FAQ08STXXXXB34
09 pins	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MA16FAQ09STXXXXB34

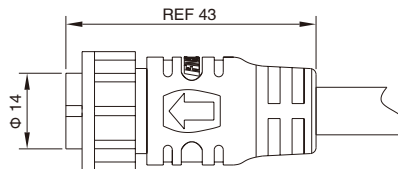
Note: X refers to cable specification

### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.

## M16 Female Molded Cable, Straight, Quick-lock Type, With Fix-cap

- Connector series: M16
- Gender: Female
- Locking type: Quick-lock
- Mounting type: Straight
- Part No.: MA16FRQ\*\*STXXX34  
(Reversed polarity)
- \*\* refers to pins number
- X refers to cable specification



### General information



Ambient temperature:	-40°C ~ +80°C(fixed installation) -20°C ~ +80°C(flexible installation)
Connector insert:	PA + GF
Connector contacts:	Brass with gold plated
Connector overmold:	TPU
Quick-lock fix cap:	PA+GF
Seal / O-ring:	FKM

Insulation resistance:	≥ 100MΩ
Contact resistance :	≤ 5mΩ
Shielding:	Unavailable
IP rating:	IP65, IP67 in locked condition
Mating endurance:	>100 cycles

### Electrical data & Mechanical data

Contacts	Rated current	Voltage		Wire gauge / size		Cable jacket	Wire insulation	Part No.
		A/C	D/C	AWG	mm <sup>2</sup>			
08 pins 	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MA16FRQ08STXXXB34
09 pins 	4A	250V	300V	22AWG	0.34	PUR/PVC	PVC	MA16FRQ09STXXXB34

Note: X refers to cable specification

### Remarks

- Please refer to Page 578 for the Conversion between American Wire Gauge AWG and Wire Cross-section mm<sup>2</sup>.
- Please Refer to page 292 for products' part number encoding rule.