

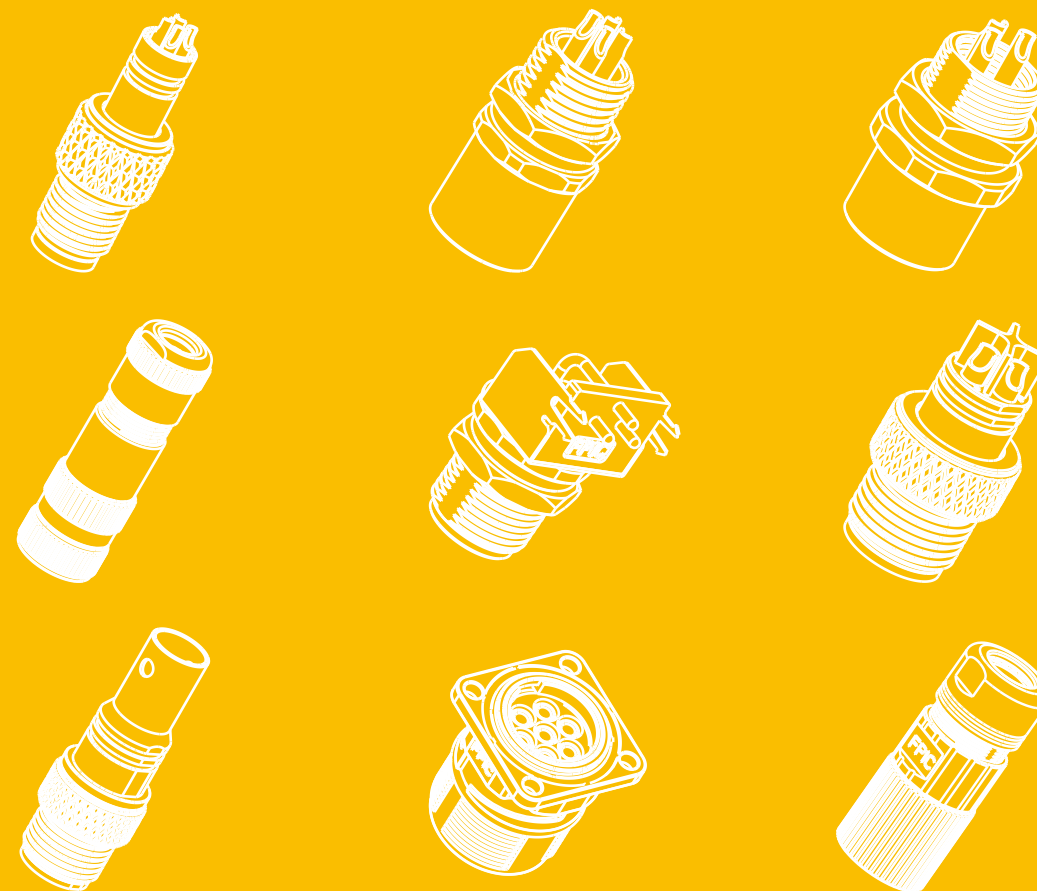


Shenzhen Forman Precision Industry Co., Ltd.
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Circular Connectors

M16 Series Cable Assembly



<https://fpiconn.com>

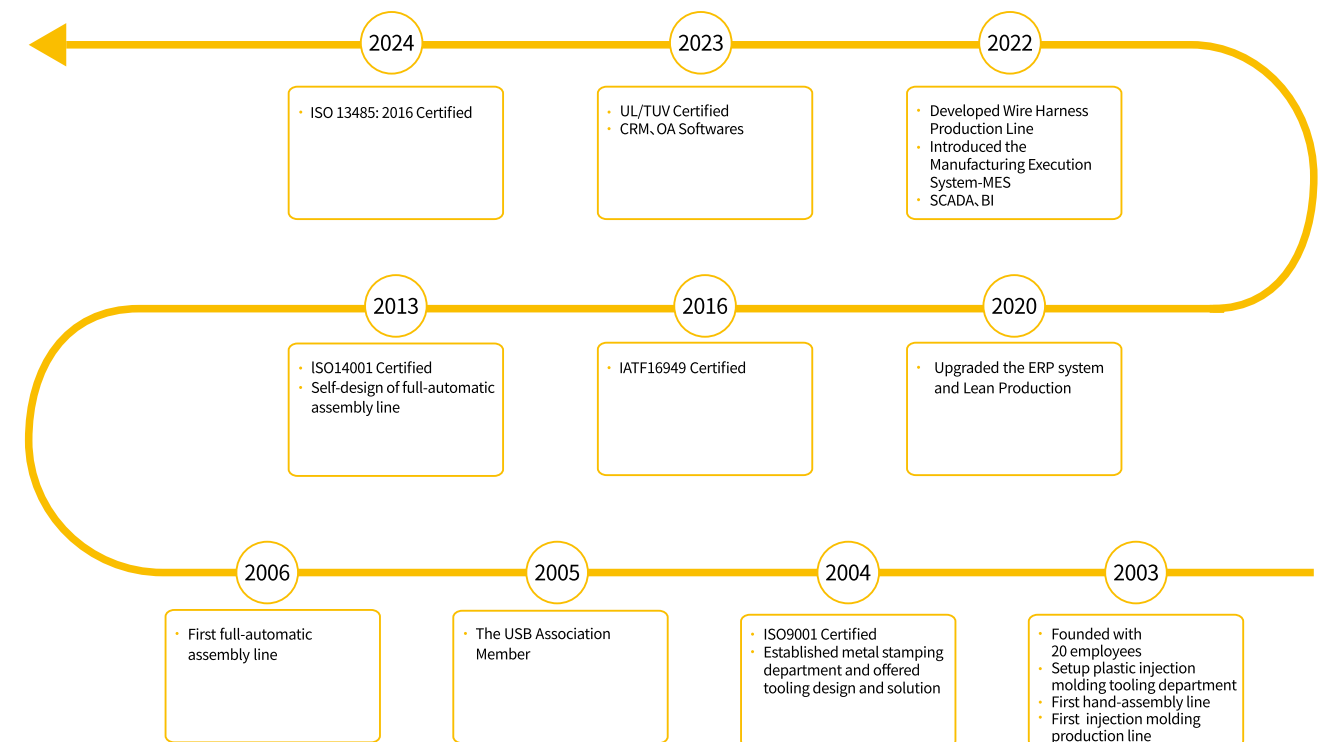
“ IF THERE IS A WAY
TO DO IT BETTER,
FIND IT ”

By : Thomas Alva Edison

► Company Profile

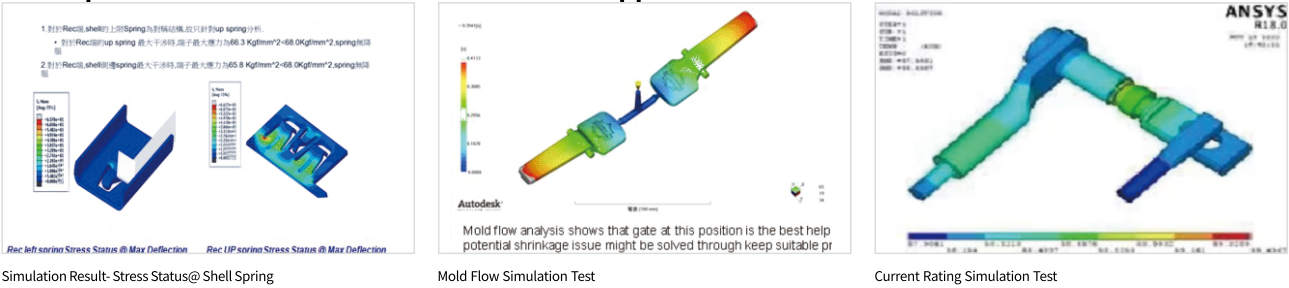
Shenzhen Forman Precision Industry Co., Ltd. is a leading and experienced manufacturing vendor, has been always committing to the technology of metal and plastic parts, focusing on designing and manufacturing connectors and cables over 20 years. Our market involves the segment of automotive, new energy, industrial automation, medical devices, etc. By now, we have been already certificated by ISO9001, ISO14000, IATF16949, ISO 13485:2016, and the member of USB association, UL, TUV.

Our goal is to offer unique service experience and add value to our customers with end-to-end management. As such, we highly enjoy our reputation for being fast, flexible, and focused.



Our Advantages

The Experienced R&D Team and CAE Software Support



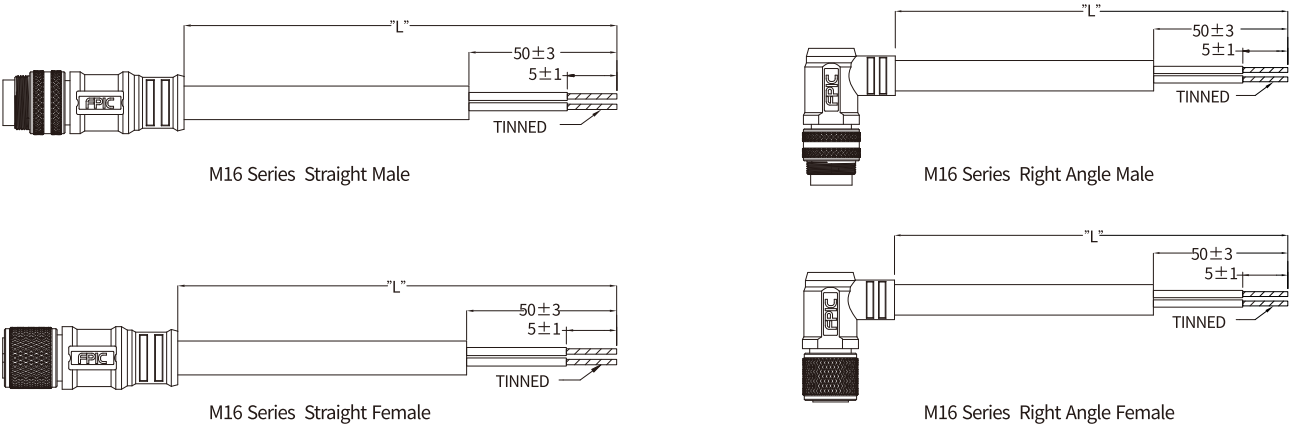
The Modernization One-stop Production Process



We Strictly Implement the Process of Product Quality.



M16 Series Molding Type



3

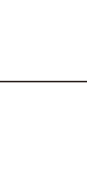
M16 Series A Coding Electrical Parameters

Number of Positions	Male A Code	Rated Current	Rated Voltage	Max. Conductor Size		Female A Code
				AWG	mm ²	
2		7A	250V	18	0.75	
3		7A	250V	18	0.75	
4		6A	250V	18	0.75	
5		6A	250V	18	0.75	
6		5A	250V	18	0.75	
7		5A	125V	18	0.75	
8		5A	60V	18	0.75	
12		3A	60V	24	0.25	
14		3A	60V	24	0.25	
16		3A	60V	24	0.25	
19		3A	60V	24	0.25	
24		1A	60V	26	0.14	

M16 Series Single Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1SSAA1NNN02-001M-00	M16 S-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SSAA1NNN02-001M-00					Shielded
APMU-1SSAA2NNN02-001M-00				PUR	Unshielded
APMS-1SSAA2NNN02-001M-00					Shielded
APMU-1SSAA1NNN12-001M-00	M16 S-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SSAA1NNN12-001M-00					Shielded
APMU-1SSAA2NNN12-001M-00				PUR	Unshielded
APMS-1SSAA2NNN12-001M-00					Shielded
APMU-1SRAA1NNN02-001M-00	M16 R-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SRAA1NNN02-001M-00					Shielded
APMU-1SRAA2NNN02-001M-00				PUR	Unshielded
APMS-1SRAA2NNN02-001M-00					Shielded
APMU-1SRAA1NNN12-001M-00	M16 R-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SRAA1NNN12-001M-00					Shielded
APMU-1SRAA2NNN12-001M-00				PUR	Unshielded
APMS-1SRAA2NNN12-001M-00					Shielded
APMU-1SSBA1NNN02-001M-00	M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SSBA1NNN02-001M-00					Shielded
APMU-1SSBA2NNN02-001M-00				PUR	Unshielded
APMS-1SSBA2NNN02-001M-00					Shielded
APMU-1SSBA1NNN12-001M-00	M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SSBA1NNN12-001M-00					Shielded
APMU-1SSBA2NNN12-001M-00				PUR	Unshielded
APMS-1SSBA2NNN12-001M-00					Shielded
APMU-1SRBA1NNN02-001M-00	M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1SRBA1NNN02-001M-00					Shielded
APMU-1SRBA2NNN02-001M-00				PUR	Unshielded
APMS-1SRBA2NNN02-001M-00					Shielded
APMU-1SRBA1NNN12-001M-00	M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1SRBA1NNN12-001M-00					Shielded
APMU-1SRBA2NNN12-001M-00				PUR	Unshielded
APMS-1SRBA2NNN12-001M-00					Shielded

M16 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded	
APMU-1DSAA1SAA02-001M-00	M16 S-Male A Code to M16 S-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded	
APMS-1DSAA1SAA02-001M-00					Shielded	
APMU-1DSAA2SAA02-001M-00				PUR	Unshielded	
APMS-1DSAA2SAA02-001M-00					Shielded	
APMU-1DSAA1SAA12-001M-00	M16 S-Male A Code to M16 S-Male A Code 12Pos Cable 12C Black L=0.1M	12			PVC	Unshielded
APMS-1DSAA1SAA12-001M-00						Shielded
APMU-1DSAA2SAA12-001M-00					PUR	Unshielded
APMS-1DSAA2SAA12-001M-00						Shielded
APMU-1DSAA1RAA02-001M-00	M16 S-Male A Code to M16 R-Male A Code 2Pos Cable 2C Black L=0.1M	2			PVC	Unshielded
APMS-1DSAA1RAA02-001M-00						Shielded
APMU-1DSAA2RAA02-001M-00					PUR	Unshielded
APMS-1DSAA2RAA02-001M-00						Shielded
APMU-1DSAA1RAA12-001M-00	M16 S-Male A Code to M16 R-Male A Code 12Pos Cable 12C Black L=0.1M	12			PVC	Unshielded
APMS-1DSAA1RAA12-001M-00						Shielded
APMU-1DSAA2RAA12-001M-00					PUR	Unshielded
APMS-1DSAA2RAA12-001M-00						Shielded
APMU-1DSAA1SBA02-001M-00	M16 S-Male A Code to M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2			PVC	Unshielded
APMS-1DSAA1SBA02-001M-00						Shielded
APMU-1DSAA2SBA02-001M-00					PUR	Unshielded
APMS-1DSAA2SBA02-001M-00						Shielded
APMU-1DSAA1SBA12-001M-00	M16 S-Male A Code to M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12			PVC	Unshielded
APMS-1DSAA1SBA12-001M-00						Shielded
APMU-1DSAA2SBA12-001M-00					PUR	Unshielded
APMS-1DSAA2SBA12-001M-00						Shielded
APMU-1DSAA1RBA02-001M-00	M16 S-Male A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2			PVC	Unshielded
APMS-1DSAA1RBA02-001M-00						Shielded
APMU-1DSAA2RBA02-001M-00					PUR	Unshielded
APMS-1DSAA2RBA02-001M-00						Shielded
APMU-1DSAA1RBA12-001M-00	M16 S-Male A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12			PVC	Unshielded
APMS-1DSAA1RBA12-001M-00						Shielded
APMU-1DSAA2RBA12-001M-00					PUR	Unshielded
APMS-1DSAA2RBA12-001M-00						Shielded

M16 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1DRAA1RAA02-001M-00	M16 R-Male A Code to M16 R-Male A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRAA1RAA02-001M-00					Shielded
APMU-1DRAA2RAA02-001M-00				PUR	Unshielded
APMS-1DRAA2RAA02-001M-00					Shielded
APMU-1DRAA1RAA12-001M-00	M16 R-Male A Code to M16 R-Male A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRAA1RAA12-001M-00					Shielded
APMU-1DRAA2RAA12-001M-00				PUR	Unshielded
APMS-1DRAA2RAA12-001M-00					Shielded
APMU-1DRAA1SBA02-001M-00	M16 R-Male A Code to M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRAA1SBA02-001M-00					Shielded
APMU-1DRAA2SBA02-001M-00				PUR	Unshielded
APMS-1DRAA2SBA02-001M-00					Shielded
APMU-1DRAA1SBA12-001M-00	M16 R-Male A Code to M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRAA1SBA12-001M-00					Shielded
APMU-1DRAA2SBA12-001M-00				PUR	Unshielded
APMS-1DRAA2SBA12-001M-00					Shielded
APMU-1DRAA1RBA02-001M-00	M16 R-Male A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRAA1RBA02-001M-00					Shielded
APMU-1DRAA2RBA02-001M-00				PUR	Unshielded
APMS-1DRAA2RBA02-001M-00					Shielded
APMU-1DRAA1RBA12-001M-00	M16 R-Male A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRAA1RBA12-001M-00					Shielded
APMU-1DRAA2RBA12-001M-00				PUR	Unshielded
APMS-1DRAA2RBA12-001M-00					Shielded
APMU-1DSBA1SBA02-001M-00	M16 S-Female A Code to M16 S-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSBA1SBA02-001M-00					Shielded
APMU-1DSBA2SBA02-001M-00				PUR	Unshielded
APMS-1DSBA2SBA02-001M-00					Shielded
APMU-1DSBA1SBA12-001M-00	M16 S-Female A Code to M16 S-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSBA1SBA12-001M-00					Shielded
APMU-1DSBA2SBA12-001M-00				PUR	Unshielded
APMS-1DSBA2SBA12-001M-00					Shielded

M16 Series

M16 Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1DSBA1RBA02-001M-00	M16 S-Female A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DSBA1RBA02-001M-00					Shielded
APMU-1DSBA2RBA02-001M-00				PUR	Unshielded
APMS-1DSBA2RBA02-001M-00					Shielded
APMU-1DSBA1RBA12-001M-00	M16 S-Female A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DSBA1RBA12-001M-00					Shielded
APMU-1DSBA2RBA12-001M-00				PUR	Unshielded
APMS-1DSBA2RBA12-001M-00					Shielded
APMU-1DRBA1RBA02-001M-00	M16 R-Female A Code to M16 R-Female A Code 2Pos Cable 2C Black L=0.1M	2		PVC	Unshielded
APMS-1DRBA1RBA02-001M-00					Shielded
APMU-1DRBA2RBA02-001M-00				PUR	Unshielded
APMS-1DRBA2RBA02-001M-00					Shielded
APMU-1DRBA1RBA12-001M-00	M16 R-Female A Code to M16 R-Female A Code 12Pos Cable 12C Black L=0.1M	12		PVC	Unshielded
APMS-1DRBA1RBA12-001M-00					Shielded
APMU-1DRBA2RBA12-001M-00				PUR	Unshielded
APMS-1DRBA2RBA12-001M-00					Shielded

Material

- Contact: Brass, Gold Flash Plating
 - Nut: Brass, Nickel Plating
 - O-Ring: Silicon Rubber
 - Housing: PA
 - Over-Molding: PVC or TPU
 - Over-Molding Color: Black or Gray
- Key Options: A Coded
M16 Positions: 2,3,4,5,6,7,8,12,14,16,19,24Poles
M16 Single or Both Ended Cable Assembly
Cable Length Options: Custom

Cable Specification

Cable Jacket: PVC or PUR
Cable Assembly: Shielded or Unshielded Versions
Jacket Color: Black or Gray
Conductor:
2-8Poles: 18AWG/20AWG
12-19Poles: 24AWG/26AWG
24Poles: 26AWG/28AWG

Mechanical

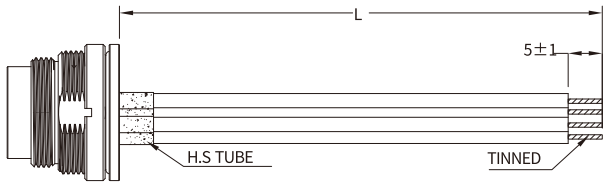
Durability:100 Cycles
Degree of Protection: IP67
Temperature Range:
-PVC or PUR:
Fixed: -40°C to +80°C
Flexible: -20°C to +80°C

Electrical

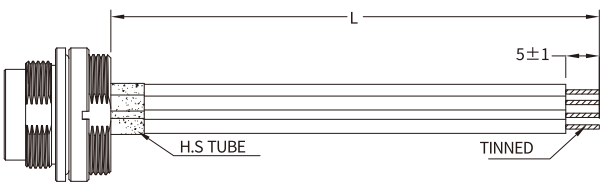
Current Rating/Voltage Rating:
2Poles or 3Poles: 7A/250V
4Poles or 5Poles: 6A/250V
6Poles: 5A/250V; 7Poles: 5A/125V; 8Poles: 5A/60V
12-19Poles: 3A/60V
24Poles: 1A/60V
Insulation Resistance: 100MΩ Min.

M16 Series

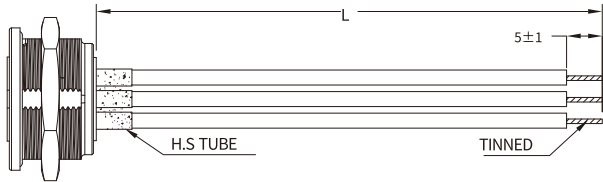
M16 Series Board Ended Connector Harness Assembly



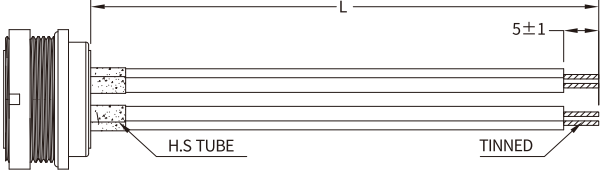
M16 Series Plate End Front Lock Nut Type Male Connector



M16 Series Plate End Rear Lock Nut Type Male Connector



M16 Series Plate End Front Lock Nut Type Female Connector



M16 Series Plate End Rear Lock Nut Type Female Connector

Material

- Contact: Brass, Gold Flash Plating
 - Nut: Brass, Nickel Plating
 - O-Ring: Silicon Rubber
 - Housing: PA
 - Key Options: A Coded
- M9 Positions: 2,3,4,5,6,7,8,12,14,16,19,24 Poles
- Wire Length Options: Custom

Wire or Cable Specification

Cable Jacket: PVC or PUR

Wire Jacket: PVC or PUR or PTFE

Conductor:

5A~6A 18AWG/20AWG

3A 24AWG/26AWG

1A 26AWG/28AWG

Mechanical

Durability:100 Cycles

Degree of Protection: IP67

Temperature Range:

-PVC Wire

Fixed: -40°C to +80°C

-PUR Wire:

Fixed: -40°C to +80°C

-PTFE Wire:

Fixed: -100°C to +200°C

Electrical

Current Rating/Voltage Rating :

2 or 3Poles: 7A/250V

4 or 5Poles: 6A/250V

6 or 7Poles: 5A/125V

8Poles: 5A/60V

12 or 14 or 16 or 19Poles: 3A/60V

24Poles: 1A/60V

Insulation Resistance: 100MΩMin

M16 Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-FAA0102AW1-001M-00	M16 Male A Code/Contact Plating Gold 3u" /Front Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-FAA0102AW2-001M-00				TPU
APMB-FAA0102AW3-001M-00				PTFE
APMB-FAA0112AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" /Front Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-FAA0112AW2-001M-00				TPU
APMB-FAA0112AW3-001M-00				PTFE
APMB-FAA0124AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" /Front Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-FAA0124AW2-001M-00				TPU
APMB-FAA0124AW3-001M-00				PTFE
APMB-BAA0102AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-BAA0102AW2-001M-00				TPU
APMB-BAA0102AW3-001M-00				PTFE
APMB-BAA0112AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-BAA0112AW2-001M-00				TPU
APMB-BAA0112AW3-001M-00				PTFE
APMB-BAA0124AW1-001M-00	M16 Male A Code / Contact Plating Gold 3u" / Rear Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-BAA0124AW2-001M-00				TPU
APMB-BAA0124AW3-001M-00				PTFE
APMB-FBA0102AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Front Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-FBA0102AW2-001M-00				TPU
APMB-FBA0102AW3-001M-00				PTFE
APMB-FBA0112AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Front Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-FBA0112AW2-001M-00				TPU
APMB-FBA0112AW3-001M-00				PTFE
APMB-FBA0124AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Front Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-FBA0124AW2-001M-00				TPU
APMB-FBA0124AW3-001M-00				PTFE
APMB-BBA0102AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Rear Lock Nut / 2Pos, Wire 2C L=0.1M	2		PVC
APMB-BBA0102AW2-001M-00				TPU
APMB-BBA0102AW3-001M-00				PTFE
APMB-BBA0112AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Rear Lock Nut / 12Pos, Wire 12C L=0.1M	12		PVC
APMB-BBA0112AW2-001M-00				TPU
APMB-BBA0112AW3-001M-00				PTFE
APMB-BBA0124AW1-001M-00	M16 Female A Code / Contact Plating Gold 3u" / Rear Lock Nut / 24Pos, Wire 24C L=0.1M	24		PVC
APMB-BBA0124AW2-001M-00				TPU
APMB-BBA0124AW3-001M-00				PTFE

**“STRIVING FOR PERFECTION
IN EVERY THINGS
YOU DO”**

By : Sir Henry Royce