

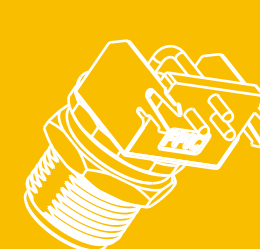
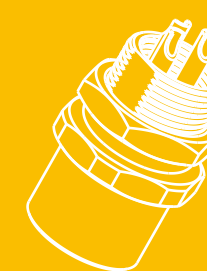


Shenzhen Forman Precision Industry Co., Ltd.
 Add: Building K, No. 2, Longshan 8th Road, Third Industrial
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 Website: <https://fpiconn.com> <https://sz-fpi.com>



Circular Connectors

7/8"-16UN 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.

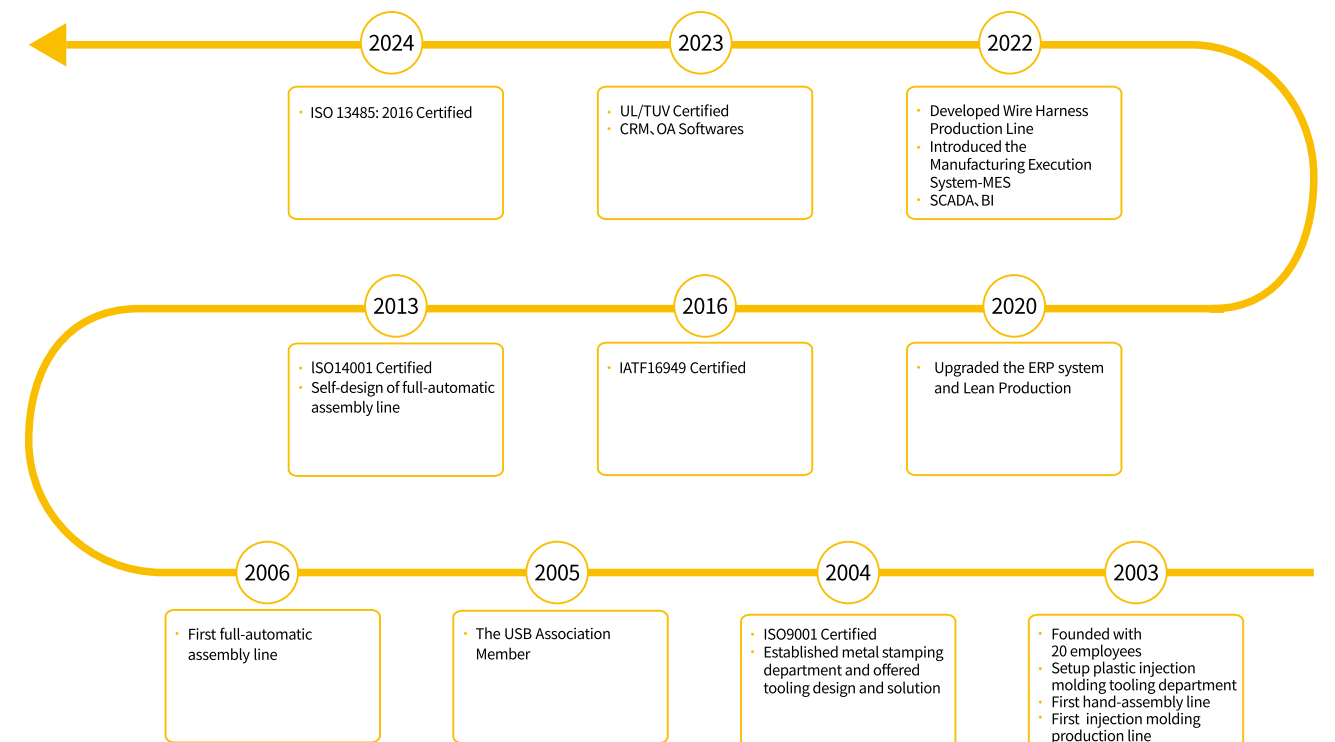
Our goal is to offer unique service experience and add value to our customers with end-to-end management. As such, we highly enjoy our reputation for being fast, flexible, and focused.



Reception

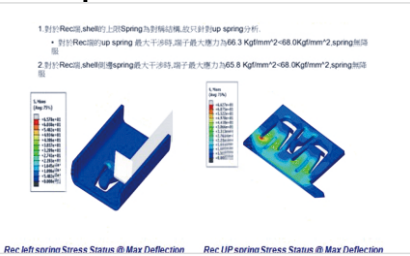


Factory

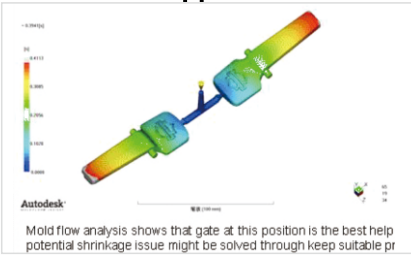


Our Advantages

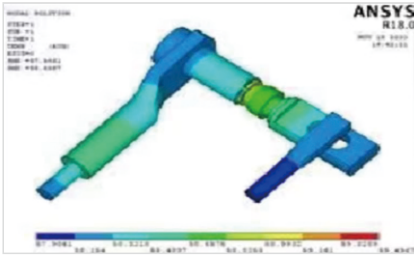
The Experienced R&D Team and CAE Software Support



Simulation Result- Stress Status@Shell Spring



Mold Flow Simulation Test



Current Rating Simulation Test

The Modernization One-stop Production Process



Wire EDM Center



Mould Workshop



Die-sinker EDM Center



Stamping Workshop



Plastic Injection Workshop



Wire Harness Workshop



Automatic Assembly Workshop



CCD Imaging Analysis



Electrometric Measurement

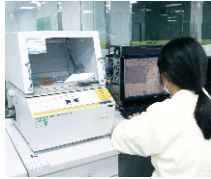


Automatic Packing

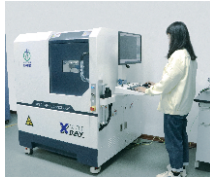
We Strictly Implement the Process of Product Quality.



Keyence Tester



X-Ray Plating Thickness Tester



X-Ray Scenograph



Halogen Testing Machine



Constant Temperature & Humidity Tester

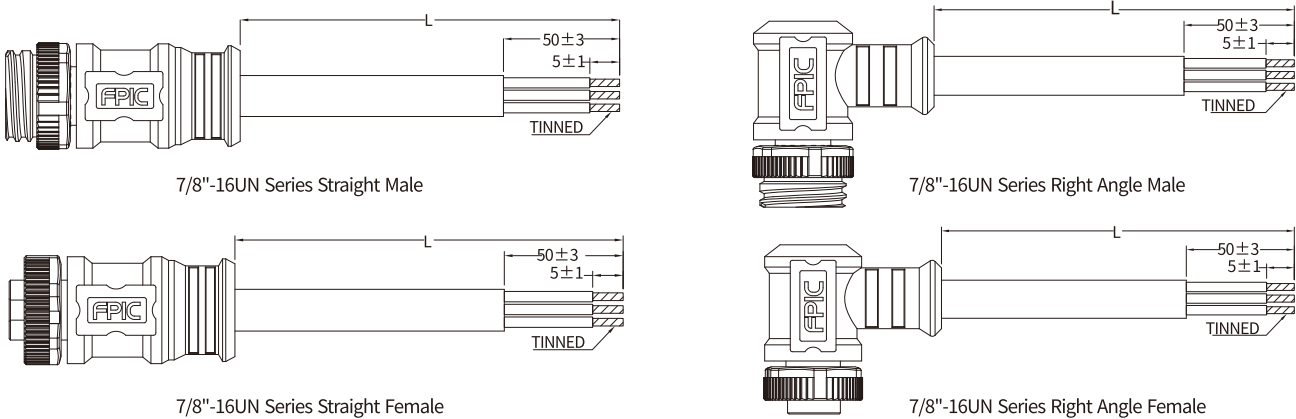


Thermal Shock Test Chamber

Contents

7/8"-16UN Injection Molded Cable Assembly	01-05
7/8"-16UN Series Board End Cable Assembly	06-07

7/8"-16UN Series Molding Type



7/8"-16UN Series A Coding Cable Color Definition

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1SSCA1NNN03-001M-00	7/8"-16UN S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SSCA1NNN03-001M-00				PUR	Shielded
APMU-1SSCA2NNN03-001M-00				PVC	Unshielded
APMS-1SSCA2NNN03-001M-00				PUR	Shielded
APMU-1SSCA1NNN04-001M-00	7/8"-16UN S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SSCA1NNN04-001M-00				PUR	Shielded
APMU-1SSCA2NNN04-001M-00				PVC	Unshielded
APMS-1SSCA2NNN04-001M-00				PUR	Shielded
APMU-1SRCA1NNN03-001M-00	7/8"-16UN R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SRCA1NNN03-001M-00				PUR	Shielded
APMU-1SRCA2NNN03-001M-00				PVC	Unshielded
APMS-1SRCA2NNN03-001M-00				PUR	Shielded
APMU-1SRCA1NNN04-001M-00	7/8"-16UN R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SRCA1NNN04-001M-00				PUR	Shielded
APMU-1SRCA2NNN04-001M-00				PVC	Unshielded
APMS-1SRCA2NNN04-001M-00				PUR	Shielded
APMU-1SSDA1NNN03-001M-00	7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SSDA1NNN03-001M-00				PUR	Shielded
APMU-1SSDA2NNN03-001M-00				PVC	Unshielded
APMS-1SSDA2NNN03-001M-00				PUR	Shielded
APMU-1SSDA1NNN04-001M-00	7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SSDA1NNN04-001M-00				PUR	Shielded
APMU-1SSDA2NNN04-001M-00				PVC	Unshielded
APMS-1SSDA2NNN04-001M-00				PUR	Shielded
APMU-1SRDA1NNN03-001M-00	7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1SRDA1NNN03-001M-00				PUR	Shielded
APMU-1SRDA2NNN03-001M-00				PVC	Unshielded
APMS-1SRDA2NNN03-001M-00				PUR	Shielded
APMU-1SRDA1NNN04-001M-00	7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1SRDA1NNN04-001M-00				PUR	Shielded
APMU-1SRDA2NNN04-001M-00				PVC	Unshielded
APMS-1SRDA2NNN04-001M-00				PUR	Shielded

7/8"-16UN Series Coding Electrical Parameters

Interface Code Type	Poles	Male	Rated Current	Rated Voltage	Max. Conductor Size		Female
					AWG	mm²	
A	3		12A	300V	16AWG	1.3	
	4		9A	300V	16AWG	1.3	
	5		9A	300V	16AWG	1.3	

7/8"-16UN Series A Coding Cable Color Definition

From Poles	Wire Core Color		To Poles
	3 Poles		
1/PE	GN/YE		1
2	BR		2
3	BU		3

From Poles	Wire Core Color		To Poles
	5 Poles		
1	BK		1
2	BU		2
3/PE	GN/YE		3
4	BR		4
5	WH		5

From Poles	Wire Core Color		To Poles
	4Poles		
1	BK		1
2	BU		2
3	BR		3
4/PE	WH		4

7/8"-16UN Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1DSCA1SCA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1SCA03-001M-00					Shielded
APMU-1DSCA2SCA03-001M-00				PUR	Unshielded
APMS-1DSCA2SCA03-001M-00					Shielded
APMU-1DSCA1SCA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1SCA04-001M-00					Shielded
APMU-1DSCA2SCA04-001M-00				PUR	Unshielded
APMS-1DSCA2SCA04-001M-00					Shielded
APMU-1DSCA1RCA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1RCA03-001M-00					Shielded
APMU-1DSCA2RCA03-001M-00				PUR	Unshielded
APMS-1DSCA2RCA03-001M-00					Shielded
APMU-1DSCA1RCA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1RCA04-001M-00					Shielded
APMU-1DSCA2RCA04-001M-00				PUR	Unshielded
APMS-1DSCA2RCA04-001M-00					Shielded
APMU-1DSCA1SDA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1SDA03-001M-00					Shielded
APMU-1DSCA2SDA03-001M-00				PUR	Unshielded
APMS-1DSCA2SDA03-001M-00					Shielded
APMU-1DSCA1SDA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1SDA04-001M-00					Shielded
APMU-1DSCA2SDA04-001M-00				PUR	Unshielded
APMS-1DSCA2SDA04-001M-00					Shielded
APMU-1DSCA1RDA03-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSCA1RDA03-001M-00					Shielded
APMU-1DSCA2RDA03-001M-00				PUR	Unshielded
APMS-1DSCA2RDA03-001M-00					Shielded
APMU-1DSCA1RDA04-001M-00	7/8"-16UN S-Male A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSCA1RDA04-001M-00					Shielded
APMU-1DSCA2RDA04-001M-00				PUR	Unshielded
APMS-1DSCA2RDA04-001M-00					Shielded

7/8"-16UN Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/ Unshielded
APMU-1DRCA1RDA03-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Male A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRCA1RDA03-001M-00					Shielded
APMU-1DRCA2RCA03-001M-00				PUR	Unshielded
APMS-1DRCA2RCA03-001M-00					Shielded
APMU-1DRCA1RCA04-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Male A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRCA1RCA04-001M-00					Shielded
APMU-1DRCA2RCA04-001M-00				PUR	Unshielded
APMS-1DRCA2RCA04-001M-00					Shielded
APMU-1DRCA1SDA03-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRCA1SDA03-001M-00					Shielded
APMU-1DRCA2SDA03-001M-00				PUR	Unshielded
APMS-1DRCA2SDA03-001M-00					Shielded
APMU-1DRCA1SDA04-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRCA1SDA04-001M-00					Shielded
APMU-1DRCA2SDA04-001M-00				PUR	Unshielded
APMS-1DRCA2SDA04-001M-00					Shielded
APMU-1DRCA1RDA03-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRCA1RDA03-001M-00					Shielded
APMU-1DRCA2RDA03-001M-00				PUR	Unshielded
APMS-1DRCA2RDA03-001M-00					Shielded
APMU-1DRCA1RDA04-001M-00	7/8"-16UN R-Male A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRCA1RDA04-001M-00					Shielded
APMU-1DRCA2RDA04-001M-00				PUR	Unshielded
APMS-1DRCA2RDA04-001M-00					Shielded
APMU-1DSDA1SDA03-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN S-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSDA1SDA03-001M-00					Shielded
APMU-1DSDA2SDA03-001M-00				PUR	Unshielded
APMS-1DSDA2SDA03-001M-00					Shielded
APMU-1DSDA1SDA04-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN S-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSDA1SDA04-001M-00					Shielded
APMU-1DSDA2SDA04-001M-00				PUR	Unshielded
APMS-1DSDA2SDA04-001M-00					Shielded

7/8"-16UN Series Both Ended Connector Cable Assembly

Part Number	Part Description	Poles	Type	Cable Material	Shielded/Unshielded
APMU-1DSDA1RDA03-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DSDA1RDA03-001M-00					Shielded
APMU-1DSDA2RDA03-001M-00				PUR	Unshielded
APMS-1DSDA2RDA03-001M-00					Shielded
APMU-1DSDA1RDA04-001M-00	7/8"-16UN S-Female A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DSDA1RDA04-001M-00					Shielded
APMU-1DSDA2RDA04-001M-00				PUR	Unshielded
APMS-1DSDA2RDA04-001M-00					Shielded
APMU-1DRDA1RDA03-001M-00	7/8"-16UN R-Female A Code to 7/8"-16UN R-Female A Code 3Pos Cable 3C Black L=0.1M	3		PVC	Unshielded
APMS-1DRDA1RDA03-001M-00					Shielded
APMU-1DRDA2RDA03-001M-00				PUR	Unshielded
APMS-1DRDA2RDA03-001M-00					Shielded
APMU-1DRDA1RDA04-001M-00	7/8"-16UN R-Female A Code to 7/8"-16UN R-Female A Code 4Pos Cable 4C Black L=0.1M	4		PVC	Unshielded
APMS-1DRDA1RDA04-001M-00					Shielded
APMU-1DRDA2RDA04-001M-00				PUR	Unshielded
APMS-1DRDA2RDA04-001M-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

7/8"-16UN Positions: 3,4,5Poles
7/8-16UN 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:
16AWG/18AWG

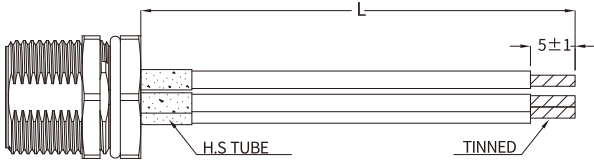
Mechanical

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

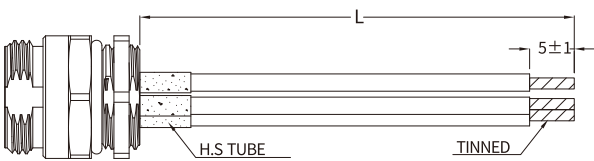
Electrical

Current Rating/Voltage Rating:
3Poles: 12A/300V
4Poles or 5Poles: 9A/300V
Insulation Resistance: 100MΩ Min.

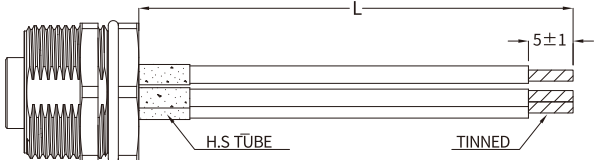
7/8"-16UN Series Board Ended Connector Harness Assembly



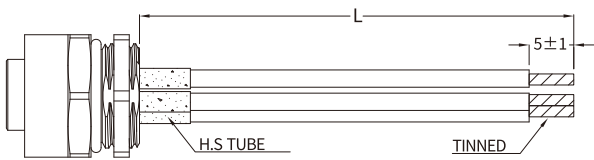
7/8"-16UN Series Plate End Front Lock Nut Type Male Connector



7/8"-16UN Series Plate End Rear Lock Nut Type Male Connector



7/8"-16UN Series Plate End Front Lock Nut Type Female Connector



7/8"-16UN 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
7/8"-16UN Positions: 3,4,5Poles
Wire Length Options: Custom

Wire or Cable Specifications

Cable Jacket: PVC or PUR
Wire Jacket: PVC or PUR or PTFE
Conductor:
16AWG/18AWG

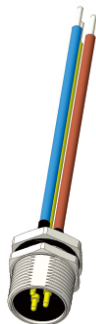
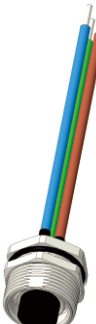
Mechanical

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:
3Poles: 12A/300V
4 or 5Poles: 9A/300V
Insulation Resistance: 100MΩ Min

7/8"-16UN Series Board Ended Connector Harness Assembly

Part Number	Part Description	Poles	Type	Wire Material
APMB-FCA0403AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-FCA0403AW2-001M-00				TPU
APMB-FCA0403AW3-001M-00				PTFE
APMB-FCA0404AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-FCA0404AW2-001M-00				TPU
APMB-FCA0404AW3-001M-00				PTFE
APMB-FCA0405AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-FCA0405AW2-001M-00				TPU
APMB-FCA0405AW3-001M-00				PTFE
APMB-BCA0403AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-BCA0403AW2-001M-00				TPU
APMB-BCA0403AW3-001M-00				PTFE
APMB-BCA0404AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-BCA0404AW2-001M-00				TPU
APMB-BCA0404AW3-001M-00				PTFE
APMB-BCA0405AW1-001M-00	7/8"-16UN Male A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-BCA0405AW2-001M-00				TPU
APMB-BCA0405AW3-001M-00				PTFE
APMB-FDA0403AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-FDA0403AW2-001M-00				TPU
APMB-FDA0403AW3-001M-00				PTFE
APMB-FDA0404AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-FDA0404AW2-001M-00				TPU
APMB-FDA0404AW3-001M-00				PTFE
APMB-FDA0405AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Front Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-FDA0405AW2-001M-00				TPU
APMB-FDA0405AW3-001M-00				PTFE
APMB-BDA0403AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 3C L=0.1M	3		PVC
APMB-BDA0403AW2-001M-00				TPU
APMB-BDA0403AW3-001M-00				PTFE
APMB-BDA0404AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 4C L=0.1M	4		PVC
APMB-BDA0404AW2-001M-00				TPU
APMB-BDA0404AW3-001M-00				PTFE
APMB-BDA0405AW1-001M-00	7/8"-16UN Female A Code/Contact Plating Gold 3u"/ Rear Lock Nut/ Wire 5C L=0.1M	5		PVC
APMB-BDA0405AW2-001M-00				TPU
APMB-BDA0405AW3-001M-00				PTFE

“STRIVING FOR PERFECTION
IN EVERY THINGS
YOU DO”

By : Sir Henry Royce