



The collage includes several images of industrial equipment and connectors. On the left, there are three vertical panels showing factory interiors with various machines and conveyor systems. On the right, there are three vertical panels showing different types of industrial connectors: a yellow cable with a metal plug, a white cable with a metal plug, and a yellow cable with a metal plug. The background is dark blue with a large white 'E' logo.

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Automation in manufacturing is increasing at the speed of technology. With IIoT and smart machines, durable and reliable connectivity solutions are required to maximize output. Sealcon now offers M12 and M8 cordsets that are ideal for your application and will meet the demands of today's industry trends. With straight male and female, right angle and flying lead cordsets available, numerous options are possible. Whether you are looking for just a few or a few thousand, Sealcon is your supplier. Contact Sealcon today to reference your application!

In addition to the cordsets listed in this brochure, we have hundreds of other options available. Please contact us for a full catalog!

M12 Cordsets, A-Coding, 4 Position

4 Position



Mechanical Data

Housing	Copper-Zinc alloy
Overmold	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass Fiber
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seal / O-Rings	Fluorocarbon
Temperature Range	-22°F – +158°F (-30°C – +70°C) (static operating temperature) 23°F – +158°F (-5°C – +70°C) (dynamic operating temperature)
Protection	IP 67

Electrical Data

Contact-Ø [mm] (AWG)	0.34 (22)
Nominal current [A]	4
Nominal voltage [V~] degree of protection 3	240
Test voltage (Breakdown voltage) [V~]	1000
Insulation resistance [MΩ]	>10 ⁹
Max. contact resistance [MΩ]	<5

SJFFD04M12050D

Female Straight / Flying Lead



Cable Length (m)	5
Positions	4
Coding	A
Cable Type	PVC

SJFMD04M12050D

Male Straight / Flying Lead



Cable Length (m)	5
Positions	4
Coding	A
Cable Type	PVC

SJFFC04M12050D

Female Right Angle / Flying Lead



Cable Length (m)	5
Positions	4
Coding	A
Cable Type	PVC

SJFFCFMD04M12100D

Female Right Angle / Male Straight



Cable Length (m)	10
Positions	4
Coding	A
Cable Type	PVC

SJFFCFMD04M12030D

Female Right Angle / Male Straight



Cable Length (m)	3
Positions	4
Coding	A
Cable Type	PVC

SJFFDFMC04M12100D

Male Right Angle / Female Straight



Cable Length (m)	10
Positions	4
Coding	A
Cable Type	PVC

SJFFDFMC04M12030D

Male Right Angle / Female Straight



Cable Length (m)	3
Positions	4
Coding	A
Cable Type	PVC

SJFFDFMD04M12100D

Female Straight / Male Straight



Cable Length (m)	10
Positions	4
Coding	A
Cable Type	PVC

SJFFDFMD04M12100E

Female Straight / Male Straight



Cable Length (m)	10
Positions	4
Coding	A
Cable Type	PUR

*Note: Cable length includes connector.

Technology

Productivity

Automation

Integration

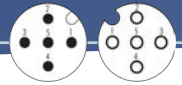
Performance

Connectivity

M8 - M12 Connectivity

M12 Cordsets, A-Coding, 5 Position

5 Position



Mechanical Data

Housing	Copper-Zinc alloy
Overmold	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass Fiber
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seal / O-Rings	Fluorocarbon
Temperature Range	-22°F – +158°F (-30°C – +70°C) (static operating temperature) 23°F – +158°F (-5°C – +70°C) (dynamic operating temperature)
Protection	IP 67

Electrical Data

Contact-Ø [mm] (AWG)	0.34 (22)
Nominal current [A]	4
Nominal voltage [V~] degree of protection 3	60
Test voltage (Breakdown voltage) [V~]	1000
Insulation resistance [MΩ]	>10 ⁹
Max. contact resistance [MΩ]	<5

SJFFD05M12100D

Female Straight / Flying Lead



Cable Length (m)	10
Positions	5
Coding	A
Cable Type	PVC

SJFFC05M12100D

Female Right Angle / Flying Lead



Cable Length (m)	10
Positions	5
Coding	A
Cable Type	PVC

SJFFD05M12020D

Female Straight / Flying Lead



Cable Length (m)	2
Positions	5
Coding	A
Cable Type	PVC

SJFFCFMD05M12100D

Female Right Angle / Male Straight



Cable Length (m)	10
Positions	5
Coding	A
Cable Type	PVC

SJFMD05M12100D

Male Straight / Flying Lead



Cable Length (m)	10
Positions	5
Coding	A
Cable Type	PVC

SJFFDFMC05M12100D

Male Right Angle / Female Straight



Cable Length (m)	10
Positions	5
Coding	A
Cable Type	PVC

SJFMD05M12020D

Male Straight / Flying Lead



Cable Length (m)	2
Positions	5
Coding	A
Cable Type	PVC

SJFFDFMD05M12100D

Female Straight / Male Straight



Cable Length (m)	10
Positions	5
Coding	A
Cable Type	PVC

*Note: Cable length includes connector.

How To Configure A Sealcon M12 or M8 Signal Cordset Part Number

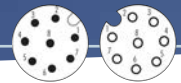
Follow the configuration chart below to determine the product needed for your application.

Example: **SJF MD 03 M12 008 D**

Product Type	Connector End Type	# of Positions	Connector Size and Coding	Cable Length	Connector Color and Cable Type
F = Cordset E = Panel Connector Y = Y Connector T = T Connector	MD = Male Straight to Flying Lead FD = Female Straight to Flying Lead MC = Male Right Angle to Flying Lead FC = Female Right Angle to Flying Lead FDFMD = Female Straight to Male Straight FDFMC = Female Straight to Male Right Angle FCFMD = Female Right Angle to Male Straight FCFMC = Right Angle Female to Right Angle Male	03 = 3 04 = 4 05 = 5 06 = 6 08 = 8	M8 = M8 M12 = M12 A-code B12 = M12 B-code D12 = M12 D-code	008 = 0.8 m 010 = 1 m 020 = 2 m 050 = 5 m 100 = 10 m	D = Yellow, PVC E = Yellow, PUR C = Blue, PVC P = Blue, PUR B = Shielded, PVC

M12 Cordsets, A-Coding, 8 Position

8 Position



Mechanical Data	
Housing	Copper-Zinc alloy
Overmold	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass Fiber
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seal / O-Rings	Fluorocarbon
Temperature Range	-22°F – +158°F (-30°C – +70°C) (static operating temperature) 23°F – +158°F (-5°C – +70°C) (dynamic operating temperature)
Protection	IP 67

Electrical Data	
Contact-Ø [mm] (AWG)	0.25 (24)
Nominal current [A]	2
Nominal voltage [V~] degree of protection 3	30
Test voltage (Breakdown voltage) [V~]	1000
Insulation resistance [MΩ]	>10 ⁹
Max. contact resistance [MΩ]	<5

*Note: Cable length includes connector.

SJFFDFMC08M12100D

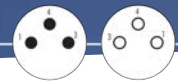
Male Right Angle / Female Straight



Cable Length (m)	10
Positions	8
Coding	A
Cable Type	PVC

M8 Cordsets, 3 Position

3 Position



Mechanical Data	
Housing	Copper-Zinc alloy
Overmold	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass Fiber
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seal / O-Rings	Fluorocarbon
Temperature Range	-22°F – +158°F (-30°C – +70°C) (static operating temperature) 23°F – +158°F (-5°C – +70°C) (dynamic operating temperature)
Protection	IP 67

Electrical Data	
Contact-Ø [mm] (AWG)	0.25 (24)
Nominal current [A]	4
Nominal voltage [V~] degree of protection 3	60
Test voltage (Breakdown voltage) [V~]	1000
Insulation resistance [MΩ]	>10 ⁹

*Note: Cable length includes connector.

SJFFDFMD03M8050D

Female Straight / Male Straight



Cable Length (m)	5
Positions	3
Cable Type	PVC

SJFFDFMD03M8020D

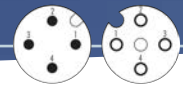
Female Straight / Male Straight



Cable Length (m)	2
Positions	3
Cable Type	PVC

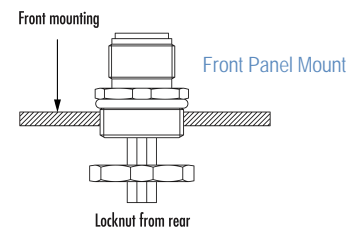
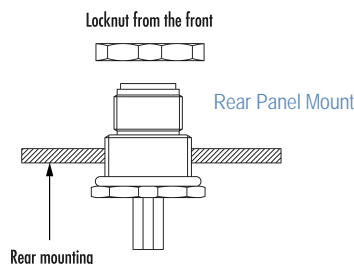
M12 Panel Mounts With Cable - 4 Positions

4 Position



Mechanical Data	
Housing	Copper-Zinc alloy
Overmold	Thermoplastic elastomer
Inserts (for contacts)	PA66 / Glass Fiber
Contacts	Copper-Zinc alloy
Contact surface at point of contact	Nickel and gold plated
Seal / O-Rings	Fluorocarbon
Temperature Range	-22°F – +158°F (-30°C – +70°C) (static operating temperature) 23°F – +158°F (-5°C – +70°C) (dynamic operating temperature)
Protection	IP 67

Electrical Data	
Contact-Ø [mm] (AWG)	0.25 (24)
Nominal current [A]	4
Nominal voltage [V~] degree of protection 3	60
Test voltage (Breakdown voltage) [V~]	1000
Insulation resistance [MΩ]	>10 ⁹



Additional Options Available

100's of Other Cordset Configurations Available!

Sealcon offers a wide range of M12 and M8 Cordsets in addition to the product listed in this brochure. Our cordsets are also available in blue, black and can be made in custom colors with a minimum order quantity. Additional options are also available in field attachable configurations. For a full catalog, please contact Sealcon today!

Sealcon, Your Circular Connector Source! Additional sizes, styles and configurations available!



- M8 - M40
- Signal Connectors
- Power Connectors
- Ethernet Connectors
- Hybrid Connectors

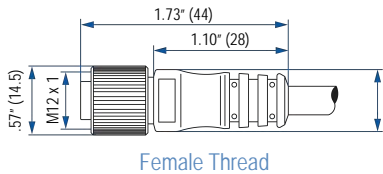
NEW M12 Power Connector

- 16 Amp / 630 V
- Crimp & Screw Terminal
- Powerful & Compact
- IP 67 / IP 69K

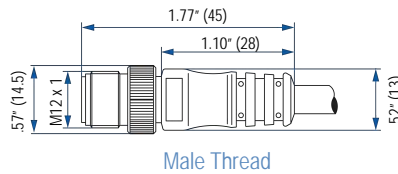


M12 CORDSETS

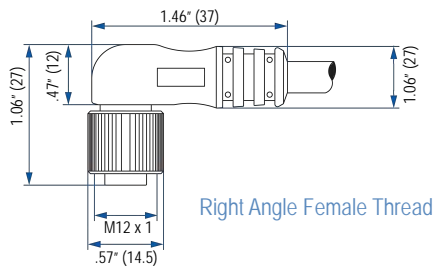
Inches (mm)



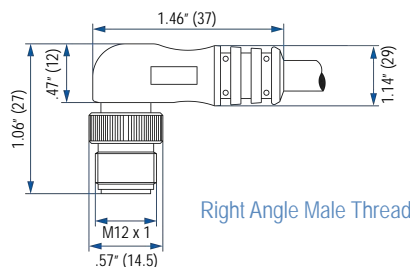
Female Thread



Male Thread



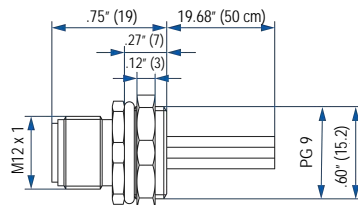
Right Angle Female Thread



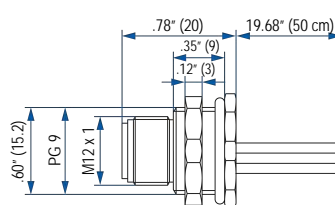
Right Angle Male Thread

M12 PANEL MOUNT

Inches (mm)



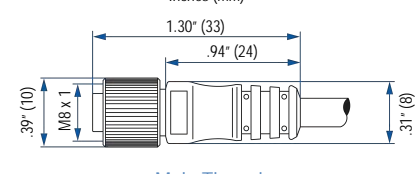
Front Panel Mount



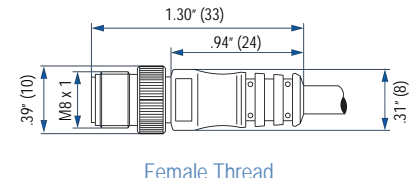
Rear Panel Mount

M8 CORDSETS

Inches (mm)



Male Thread



Female Thread

Check out some of our other great Sealcon products!



Further information on the products presented here and everything else Sealcon has to offer can be found on our website:

www.SealconUSA.com

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