

STANDARD OVERMOLDED CONNECTOR PRODUCTS M8/M12

MJM Industries



MJM Industries is a leader in the design and manufacture of custom wire harnesses, cable assemblies, over-molded cable assemblies, over-molded parts, potted components, flat flex and coax cable assemblies. Our engineering team and customer relationships drive continuous development of our product offerings.

As part of our standard overmolded connector products, MJM Industries offers both Standard and Custom M8/M12 cable assemblies for customers who need flexibility to meet their application requirements.

ABOUT OUR M8/M12 PRODUCTS

MJM Industries product line of M8 and M12 cable assemblies can include right angle and straight connectors with A, B, D and X coding solutions, as well as panel mount connectors, dust caps and field wireable connectors. Assemblies can be customized to any length with a variety of B-sided options. Whether the application requires DeviceNet, CANbus or other Fieldbus communication protocols, signal or power, MJM has the ability to provide M8 and M12 cable assemblies found in today's harsh manufacturing environments.

Applications include:

- Industrial Automation
- Telecommunication
- Medical Equipment
- Automotive Manufacturing
- Military and Defense
- Aerospace Applications
- Vision Systems
- HVAC
- Machine Tools
- Solenoid and Sensors

BENEFITS OF OUR M8/M12 CABLE ASSEMBLIES

At MJM Industries, our goal is to exceed our customers' expectations with high-quality and customizable M8/M12 assemblies to make sourcing these vital components as simple as possible.

Our innovative MJM Industries branded M8/M12 assemblies offer:

- Customized B-sided connectors
- PVC and PUR UL jacketed cable
- Shielded and unshielded
- Lengths in 1" increments
- Finger grip
- Private labeling
- Short lead times at a competitive price

B-SIDE CUSTOMIZABLE OPTIONS

- Blunt-cut cable end
- Flying lead cable end
- D-sub
- RJ11
- RJ45
- USB 2.0
- Molex Mini-Fit
- Din style valve connector
- SAE connector



CONTACT MJM INDUSTRIES TODAY FOR M12 AND M8 CABLE ASSEMBLIES

Count on our sales and engineering team to help design, evaluate and implement the assembly that will help make your operation more profitable. Our new line of standard M8 and M12 cable assemblies can greatly facilitate this process!

MJM Industries, Inc.

Phone: 440.350.1230

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STANDARD OVERMOLDED CONNECTOR PRODUCTS M8/M12

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A-SIDE (M-SERIES)					CABLE		B-SIDE (M-SERIES)					OTHER
	Coding	# Pins	Gender	Orientation	Length	Cable Jacket		Coding	# Pins	Gender	Orientation	Options
MXX	X	XX	X	X	XXXX	X	MXX	X	XX	X	X	XXXX
M08	A	03	M (Male)	1 (Straight)	INCHES	A (PVC)	M08	A	03	M (Male)	1 (Straight)	If required, the factory will assign this section of the part number
M12	B	04	F (Female)	9 (90°)		B (Shielded PVC)	M12	B	04	F (Female)	9 (90°)	
	D	05				C (PUR)		D	05			
	X	08				D (Shielded PUR)		X	08			
						E (Cat5e)						
						F (Cat6a)						
BELOW THIS LINE, CONSULT FACTORY												
B-SIDE (STANDARD NON-M)												
XXX		(Description)										
X01		Blunt Cut End										
X02		Flying Leads										
X03		D-Sub										
X04		RJ11										
X05		RJ45										
X06		STD USB 2.0										
X07		Molex Mini-Fit										
X08		Din Style Valve Connector										
X09		SAE Connector										
X10		CPC Style Connector										
B-SIDE (CUSTOM NON-M)												
XXX		(Description)										
X99		Customer Specific Connector										

EXAMPLES:

For a M8, A coded, 3 pin male, straight connector with 120" of PVC cable to a M8, A coded, 3 pin, Female, 90 degree connector the part number would be: M08A03M1-0120A-M08A03F9

For a M12, D code, 4 pin, male, straight connector with 60" of Cat5e cable and a RJ45 connector on the B-side the part number would be: M12D04M1-0060E-X05. Once details of the RJ45 are reviewed with the factory a unique 4 digit number will be assigned to the end of the part.

NOTES:

Standard product offering consists of crimped connections, nickel plated brass nuts and MJM Industries nameplate.

Other options are available upon request. Consult factory for pricing and availability.

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GENERAL SPECIFICATIONS

Specification	M8-3	M8-4	M12-3	M12-5	M12-8	M12-5	M12-4	M12-8
Coding Type	A	A	A	A	A	B	D	X
Rated Voltage	60V	30V	250V	60V	30V	60V	250V	60V
Rated Current	3A	3A	4A	4A	2A	4A	4A	0.5A
Operating Temperature	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C
Insulation Resistance	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ
Contact Resistance	<10mΩ	<10mΩ	<10mΩ	<10mΩ	<10mΩ	<10mΩ	<10mΩ	<10mΩ
Mating Cycles	>100	>100	>100	>100	>100	>100	>100	>100

PVC Cable Specifications:

- UL 2464
- -30°C to 80°C
- 300V
- Shielded and unshielded
- Good chemical resistance

PUR Cable Specifications:

- UL 20233
- -30°C to 80°C
- 300V
- Shielded and unshielded
- High flexibility/excellent chemical resistance

Industry Compliances:

- IP67 Rated
- ROHS Compliant
- IEC 61076-2-101
- IEC 61076-2-104

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