



# DC Micro-Style (M12) Cordsets and Patchcords

## Expanded Offering Addresses a Wider Range of General Purpose and On-Machine™ Applications

Rockwell Automation offers a wide variety of connection products for interfacing field devices to I/O, junction boxes, PLCs and more. When implementing these components in an On-Machine™ control design—a solution that moves the industrial controls and hardware closer to the application while minimizing cost and the number of components in the cabinet—cabling must offer the ability to withstand tough plant floor environments while allowing for optimal system flexibility. From passive distribution boxes and overmolded cordsets to field attachable connectors, Allen-Bradley connection systems products are simple, cost effective solutions that are rugged enough to accompany the hardened components found in an On-Machine control architecture.

### Even More Cable and Connector Options

With the expansion of the DC Micro-style (M12) connector family, Rockwell Automation has further broadened its wide range of Complete Automation solutions that provide flexibility and value in any control design. Thanks to the addition of new cable types and sizes, as well as the introduction of alternate coupling nut materials, a number of new cordsets and patchcords have been introduced.

Featuring an integral female connector on one end and flying leads on the other, *cordsets* provide fast and simple connectivity between field devices and terminal connections. *Patchcords*, on the other hand, have integral connectors at each end (one male, one female), and are the most efficient way to couple multiple connectorized field devices.

Focused on the industry standard PVC-jacketed cable, the Allen-Bradley DC Micro style cordset and patchcord expansion includes models based on the following cable types:

- Yellow 22AWG
- Yellow 22AWG with braided shield
- Yellow 18AWG
- Black 22AWG



*Bulletin 889D*

The epoxy-coated zinc coupling nuts supplied as standard on Allen-Bradley DC Micro style cordsets and patchcords provide excellent performance and durability in typical industrial environments. But for more demanding environments and applications requiring specific materials, stainless steel and nickel plated brass versions are also available.

### Features

- 4-pin and 5-pin DC Micro-style
- Male or female connector types in straight or right angle versions
- Yellow or Black PVC cable jacket
- 22AWG or 18AWG conductors
- Epoxy-coated zinc DC Micro (M12) coupling nuts standard
- Optional stainless steel or nickel plated brass coupling nuts optional
- IP67, NEMA 6P, 1200psi (8270kPa) washdown rated

### Benefits

- 4-pin or 5-pin DC Micro (M12) provides standard connectivity
- Variety of cable colors and sizes for flexibility in machine design
- Standard epoxy-coated zinc coupling nuts ensure durability in common industrial environments
- Optional stainless steel or nickel plated brass coupling nuts address the toughest industrial environments

*Product Profile*

**Rockwell  
Automation**

## General Ordering Information



### DC Micro-style (M12) Cordsets (Shaded catalog numbers in bold indicate most popular configurations)

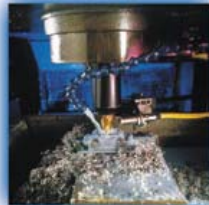
Gender	Configuration	Style	Catalog Number			
			Yellow PVC cable 22AWG	Yellow PVC cable 22AWG Braided Shield	Yellow PVC cable 18AWG	Black PVC cable 22AWG
Female	4-pin	Straight	<b>889D-F4AC-x</b>	<b>889D-F4EC-x</b>	<b>889D-F4AE-x</b>	<b>889D-F4BC-x</b>
Male			<b>889D-M4AC-x</b>	<b>889D-M4EC-x</b>	<b>889D-M4AE-x</b>	<b>889D-M4BC-x</b>
Female		Right Angle	<b>889D-R4AC-x</b>	<b>889D-R4EC-x</b>	<b>889D-R4AE-x</b>	<b>889D-R4BC-x</b>
Male			<b>889D-E4AC-x</b>	<b>889D-E4EC-x</b>	<b>889D-E4AE-x</b>	<b>889D-E4BC-x</b>
Female	5-pin	Straight	<b>889D-F5AC-x</b>	<b>889D-F5EC-x</b>	--	<b>889D-F5BC-x</b>
Male			<b>889D-M5AC-x</b>	<b>889D-M5EC-x</b>	--	<b>889D-M5BC-x</b>
Female		Right Angle	<b>889D-R5AC-x</b>	--	--	<b>889D-R5BC-x</b>
Male			<b>889D-E5AC-x</b>	--	--	<b>889D-E5BC-x</b>

### DC Micro-style (M12) Patchcords (Shaded catalog numbers in bold indicate most popular configurations)

Female End Style	Configuration	Male End Style	Catalog Number			
			Yellow PVC cable 22AWG	Yellow PVC cable 22AWG Braided Shield	Yellow PVC cable 18AWG	Black PVC cable 22AWG
Straight	4-pin	Straight	<b>889D-F4ACDM-y</b>	<b>889D-F4ECDM-y</b>	<b>889D-F4AEDM-y</b>	<b>889D-F4BCDM-y</b>
		Right Angle	<b>889D-F4ACDE-y</b>	<b>889D-F4ECDE-y</b>	<b>889D-F4AEDE-y</b>	<b>889D-F4BCDE-y</b>
		Straight	<b>889D-R4ACDM-y</b>	<b>889D-R4ECDM-y</b>	<b>889D-R4AEDM-y</b>	<b>889D-R4BCDM-y</b>
		Right Angle	<b>889D-R4ACDE-y</b>	<b>889D-R4ECDE-y</b>	<b>889D-R4AEDE-y</b>	<b>889D-R4BCDE-y</b>
Right Angle	5-pin	Straight	<b>889D-F5ACDM-y</b>	<b>889D-F5ECDM-y</b>	--	<b>889D-F5BCDM-y</b>
		Right Angle	<b>889D-F5ACDE-y</b>	--	--	<b>889D-F5BCDE-y</b>
		Straight	<b>889D-R5ACDM-y</b>	--	--	<b>889D-R5BCDM-y</b>
		Right Angle	<b>889D-R5ACDE-y</b>	--	--	<b>889D-R5BCDE-y</b>

#### Notes:

- x corresponds to length in meters (2, 5, 10 standard)
- y corresponds to length in meters (1, 2, 3, 5, 10 standard)
- Optional stainless steel coupling nuts are available by adding an "S" to the bulletin number. Example **889DS-F4AC-2**
- Optional nickel plated brass coupling nuts are available by adding an "N" to the bulletin number. Example **889DN-F4AC-2**



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