

PVC Control Cables in Spools Introduction Provides Increased Range of Connectivity Solutions

Get Connected with Rockwell Automation

Recognizing the importance of flexibility and value in your control system, Rockwell Automation continues to introduce new connection systems components that help make your installations simpler while addressing the market's ever-changing needs. From specialized safety connection systems to a full complement of standard patchcords and cordsets, Allen-Bradley connectivity products are rugged, cost-effective solutions for a broad range of industrial applications. The latest additions to our constantly growing connection systems offering are spools of bulk cable that help reduce your material cost while allowing easy customization of your control system layout.

Increased Connectivity and Cabling Options

In the grand scheme of control systems, Rockwell Automation knows that fully connectorized systems are ideal in theory, but not always possible—or practical. As control system layouts change with the machine design, ordering standardized lengths of overmolded cables early in the design cycle that fit the control architecture of the final project can be virtually impossible. The result can be a machine that doesn't have that clean, streamlined look, and one that will require considerable rewiring or marshaling before it's suitable to hit the market.

From an end-user's point of view, when it comes to repair and replacement of wiring, it's often not an option to keep stockpiles of multiple pre-terminated cables of varying lengths on hand. The ability to keep bulk cable in the crib for replacement of cabling on the fly can be the best solution. So with these scenarios in mind, Rockwell Automation now offers spools of raw cable that, when combined with field attachable connectors, provide the flexibility you need to optimize your wiring while allowing for the quick and simple installation characteristic of a fully connector-based system.

Since PVC jacketed cable continues to set the standard for connectivity in typical field device wiring for industrial applications, Rockwell Automation offers spools in a variety of PVC cable types, including the following:

- Yellow PVC Cable, 22AWG
- Yellow PVC Cable, 22AWG with braided shield
- Yellow PVC Cable, 18AWG
- Black PVC Cable, 22AWG



Features

- 3-, 4-, and 5-conductor AWM styles
- Braided shield or unshielded versions
- Yellow or black PVC cable jacket
- 22AWG or 18AWG conductors
- IEC color code

Benefits

- 3-, 4-, and 5-conductor versions provide standard connectivity
- Variety of cable colors and sizes provide flexibility in machine design
- Braided shield versions provide electrical shielding and increased durability for demanding applications
- Cable jacket sized for use with Allen-Bradley field attachable connectors
- Cable orderable in spools or as premolded cordset (single ended) or patchcord (double ended) provides consistency and commonality in machine wiring



General Ordering Information



Control Cable Spools

No. of Conductors	Color Code	Jacket Color	Jacket Material	Wire Gauge	Cable Style	Shielding	Catalog Number		
							50m (164ft)	100m (328ft)	200m (656ft)
3	Brown, Blue, Black	Yellow	PVC	22AWG	UL recognized AWM 105°C, 300V	None	889-C3AC-S50	889-C3AC-S100	889-C3AC-S200
4	Brown, White, Blue, Black	Yellow					889-C4AC-S50	889-C4AC-S100	889-C4AC-S200
		Black					889-C4BC-S50	889-C4BC-S100	889-C4BC-S200
		Yellow					889-C4EC-S50	889-C4EC-S100	889-C4EC-S200
5	Brown, White, Blue, Black, Grey	Yellow		18AWG	CSA AWM I/II/A/B 105°C, 300V, FT1	None	889-C4AE-S50	889-C4AE-S100	889-C4AE-S200
		Black					889-C5AC-S50	889-C5AC-S100	889-C5AC-S200
		Yellow		22AWG		None	889-C5BC-S50	889-C5BC-S100	889-C5BC-S200
		Black					889-C5EC-S50	889-C5EC-S100	889-C5EC-S200
		Yellow	889-C5EC-S50				889-C5EC-S100	889-C5EC-S200	

Mating Field Attachable Connectors and Terminal Chambers



Connector Type	Gender	Configuration	Style	Catalog Number	
				Screw Terminal Type	Insulation Displacement Type
DC Micro (M12)	Male	3-pin	Straight	871A-TS4-DM	889D-M3DC-H
		4-pin		871A-TS4-DM	889D-M4DC-H
		5-pin		871A-TS5-DM1	--
	Female	3-pin		871A-TS4-D	889D-F3DC-H
		4-pin		871A-TS4-D	889D-F4DC-H
		5-pin		871A-TS5-D1	--
Pico (M8)	Male	3-pin	--	889P-M3DC-H	
		4-pin	--	889P-M4DC-H	
	Female	3-pin	--	889P-F3DC-H	
		4-pin	--	889P-F4DC-H	

NOTE: Insulation Displacement Type connectors not compatible with 18AWG or braided cables
Right angle connector versions also available for all DC Micro (M12) products

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