

# Kinetix® Cables with SpeedTEC® DIN Connectors



A Complete Cable Family for Servo Motors and Actuators

## Features and Benefits

- Complete family of standard and continuous flexing cables to connect your motors and actuators
- Equipped with SpeedTEC DIN connectors for a quick, one-quarter turn connection
- Meets a wide range of codes and standard requirements:
  - UL-Listed
  - NFPA 79 compliant
  - DESINA cable jacket coloring
  - Tray cable rating
  - RoHS and REACH
  - 600V insulation rating
- Confidence that your cables have been designed, tested and approved as part of a system with a declaration of conformity that your complete system will work together
- Standard feedback cables have larger conductors to simplify termination at the drive end
- Standard cables are exposed run rated – helping to reduce the total machine cost



Rockwell Automation offers a complete family of standard and continuous flexing cables with SpeedTEC DIN connectors for a quick, secure connection. To complete the cable family, Rockwell Automation also offers fiber optic cables, interface cables, extension cables, bulkhead adapters and connector kits. This family of cables is designed to work in any of your challenging motion applications – simplifying your machine design and helping you minimize maintenance time and costs.

## Standard Cables

For non-flexing applications, the new DIN standard power and feedback cables will help you satisfy your needs for reliability, robustness and high quality. Designed with SpeedTEC DIN connectors, the standard cables provide a quick, one-quarter turn connection. This provides an easy, yet secure servo connection.

## Continuous Flexing Cables

Some of your motion control applications require cables that can endure continuous flexing and bending. Using other cables in these types of applications can result in excessive strain and internal frictional heating that may lead to damage and premature axis failure. With continuous flexing cables and extension cables from Allen-Bradley, you now have a cable designed specifically for these applications. This innovative cable offering comes complete with SpeedTEC DIN connectors for quick, one-quarter connections and features a tamper-resistant backshell and strain relief to maximize cable life.

## Extension Cables

In many motion applications, cables are required to be flexible. Rockwell Automation offers extension cables to make it easier to replace specific sections of the continuous flexing cables where flexing capabilities are needed. This saves money and minimizes downtime by eliminating the need to re-route the entire cable.

*A complete family of standard and continuous cables to simplify your machine design and satisfy your motion needs.*

LISTEN.  
THINK.  
SOLVE.®

Allen-Bradley Motors



Allen-Bradley • Rockwell Software

**Rockwell  
Automation**

## Standard Cables

Catalog Number	Description
2090-CFBM7DF-CEAAxx	Standard, Feedback, Flying Lead, High Res Encoder or Resolver
2090-CFBM7DD-CEAAxx	Standard, Feedback, Drive-end Connector, High Res Encoder or Resolver
2090-CPWM7DF-yyAAxx	Standard, Power-only
2090-CPBM7DF-yyAAxx	Standard, Power with Brake

xx in catalog number, above, is the cable length in meters

xx = 01, 02, 03, 04, 05, 06, 07, 08, 09, 12, 15, 20, 25, 30, 40, 60, 90 for standard cables

yy=Wire gauge (AWG)

yy=08, 10, 12, 14, 16 for power only

yy=02, 04, 06, 08, 10, 12, 14, 16 for power with brake

To select cables for motors with incremental encoders, please review the latest version of Motion Selection Guide.



### Bulkhead Adapters

Bulkhead connectors allow you to customize your cables to meet your needs:

- Easily allows cables to pass through enclosures and cabinet walls minimizing the risk of damage
- Provides a secure interface when connecting an extension cable to a standard cable, helping ensure the connection
- Simplifies cable management in your large, modular machines where you need to disconnect cables between machine sections for shipping or maintenance

## Continuous Flexing Cables

Catalog Number	Description	Motor Compatibility
2090-CPWM7DF-yyAFxx	Continous-flex, Power-only	MP-Series™ Low Inertia and MP-Series Food Grade Servo Motors with "7" Connector Designation
2090-CPBM7DF-yyAFxx	Continous-flex, Power with Brake	
2090-CFBM7DF-CEAFxx	Continous-flex, Feedback, Flying Lead, High Res Encoder or Resolver	
2090-CFBM7DD-CEAFxx	Continous-flex, Feedback, Drive-end Connector, High Res Encoder or Resolver	
2090-CFBM7DF-CDAFxx	Continous-flex, Feedback, Flying Lead, Incremental Encoder	<i>Continuous Flex cables are also available for Bayonet and threaded DIN connectors</i>
2090-CPBM7E7-yyAFxx	Continous-flex, Extension, Power with Brake	
2090-CFBM7E7-CDAFxx	Continous-flex, Extension, Feedback, Incremental Encoder	
2090-CFBM7E7-CEAFxx	Continous-flex, Extension, Feedback, High Res Encoder or Resolver	

xx in catalog number, above, is the cable length in meters

xx = 01, 02, 03, 04, 05, 07, 09, 12, 15, 20, 25, 30, 40, 50, 60, 75, 90 for power and feedback cables

xx = 01, 02, 03, 04, 05, 07, 09, 12, 15, 20, 25, 30 for extension cables

yy=Wire gauge (AWG)

yy=08, 10, 14, 16

Allen-Bradley, Kinetix and MP-Series are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

[www.rockwellautomation.com](http://www.rockwellautomation.com)

### Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846