



MSR57P Encoder Cable

Catalog Number 1585J-M8RB-xxx

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Summary of Changes

This publication contains new and updated information as indicated in the following table.

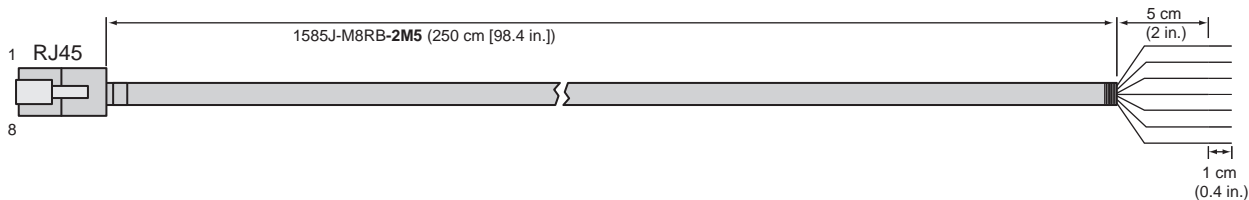
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Description

The encoder adapter cable is designed to connect an incremental or Sin/Cos encoder to the MSR57P speed monitoring safety relay. The RJ45 connector can be connected to either encoder input on the MSR57P safety relay. The other end of the cable has flying leads to adapt any encoder connection including PowerFlex® and Kinetix® drives.

| Connection to MSR57P Relay | Connection to Encoder Signals on the Drive or Terminal Blocks |
|----------------------------|---|
| RJ45 | Flying leads |

1585J-M8RB-2M5 Cable Dimensions



1585J-M8RB-xxx⁽¹⁾ Flying-lead Wire Colors

| Pin No. | Wire Color | Signal |
|---------|--------------|---------------|
| 1 | White/Orange | GND |
| 2 | Orange | VCC |
| 3 | White/Blue | A1-/SIN1-ref |
| 4 | Blue | A1+/SIN1+ |
| 5 | Green | N.C. |
| 6 | White/Brown | B1-/COS1-ref |
| 7 | White/Green | N.C. |
| 8 | Brown | B1+/COS1+ |
| 9 | Bare | Shield (case) |

(1) Cable can be ordered in 0.1 m (0.3 ft) increments up to 95 m (311.7 ft).

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

| Resource | Description |
|---|--|
| MSR57P Guardmaster Speed Monitoring Safety Relay User Manual, publication 440R-UM004 | Provides detailed connection examples. |
| Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1 | Provides general guidelines for installing a Rockwell Automation® industrial system. |
| Product Certifications website, http://www.rockwellautomation.com/global/certification/overview.page | Provides declarations of conformity, certificates, and other certification details. |

You can view or download publications at <http://www.rockwellautomation.com/global/literature-library/overview.page>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Rockwell Automation Support

For technical support, visit <http://www.rockwellautomation.com/support/overview.page>.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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