



8510 AC Spindle Drive Connector Kits

(Cat. No. 8510SA-CABC, 8510SA-CADC)

Instructions

Introduction

Connections to the motor feedback resolver that are performed inside the motor terminal box are made through an AMP Commercial MATE-N-LOK connector. Two sizes of connectors are used depending on the motor type. This publication will provide the information needed to properly install these connectors.

The connector kit to use with a specific motor type is defined below.

<u>Motor Type</u>	<u>Connector Kit</u>	<u># Pins</u>
Single winding 1327AB Series	8510SA-CABC	16
Dual winding 1327AD Series	8510SA-CADC	10

Refer to the 8510 User Manual, publication 8510-5.1 for detailed information about the cable required and the connector pin assignments for each of the motor types.

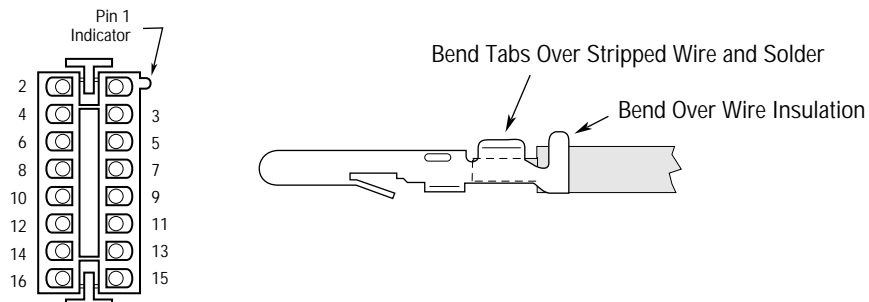
Assembling the Connector/Cable

The following procedure outlines the steps needed to install the connector.

1. Verify that the connector kit includes the connector body and the correct number of pins.
2. Remove the cable insulation and strip back the shields approximately 50 mm (2"). Strip about 4 mm (3/16") of insulation from each wire.
3. If available, use AMP crimp tool type 90123-2 to crimp the pins to the wires. If the correct crimp tool is not available, any similar sized hand crimp tool or pliers can be used to make the basic mechanical connection. Solder (using rosin core solder) the wire into the connector pin to complete the electrical connection. This assembly is shown in Figure 1.
4. Insert the wires with (attached pins) into the connector location specified in the 8510 User Manual. The connector pin designations are shown in the Figure 1.

Important: Use care when orienting and inserting pins into connector. Once pins have "snapped" into place, removal can be difficult.

Figure 1
Connector Assembly



- When mating this connector to the motor, assure that the wires on both connector halves are not pulling the pins to the side and out of alignment. Check pin alignment if the connector is difficult to insert.



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