



1326-CCU-xxx and 1326-CCUT-xxx Feedback Cables

(Cat. No. 1326-CCU-xxx and 1326-CCUT-xxx)

Installation Instructions

Introduction

This publication provides the information necessary to insert the 1326-CCU-xxx and 1326-CCUT-xxx motor feedback cable connector pins into the connector shell provided.

What This Kit Contains

This kit contains a cable assembly with quick-release, sealed (IP65) connector at the motor end and pre-pinned wires at the opposite end. The cable carries resolver feedback signals from a 1326AB-Bxxx motor to the 1394 system module. A loose connector shell is included in this kit to allow routing the cable through wireways before connecting it to the shell. Use the table below to verify that you have received the appropriate items.

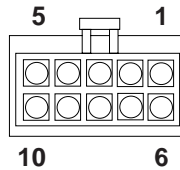
Table A
Kit Contents

For this part number:	Which represents:	You should receive this quantity:
1326-CCUx-xx-xxx	Communication Cable	1
163175	Connector shell	1
163365	Installation Instructions (publication number 1326A-5.27)	1

Understanding How to Use the Kit

Figure 1 shows a front view of the enclosed connector shell. After routing the cable, you will connect the pins on the end of the cable to the connector shell.

Figure 1
Connector View



Preparing

Before you begin:

1. Uncoil the cable and hang it, if possible, for twenty-four hours to relieve the stress from coiling. Lay long cables flat on the floor to relieve stress.
2. To protect the wires and pins while you're installing the cable, bend the wires down to the cable and tape the wires and pins to the cable.
3. Install the cable.

Making the Connections

To make the connections:

1. After the cable is installed, insert each pin into the appropriate connector location according to the figure below and tables on the next page.

Figure 2
1326-CCUx-xx-xxx and 1326-CCUT-xxx Resolver Cable End View "A"

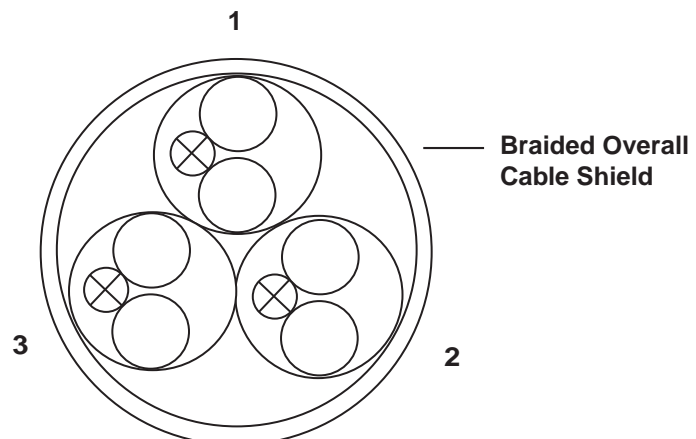


Table B
1326-CCU-xxx Standard Commutation Cable for Motor Resolver

Wire Color	Gauge mm ² (AWG)	Connector Pin	System Module Terminal #
Black (Axis_0_R1)	0.519 (20)	A	1
White (Axis_0_R2)	0.519 (20)	B	6
Shield - Drain	0.519 (20)	no connection	2
Black (Axis_0_S1)	0.519 (20)	D	3
Red (Axis_0_S3)	0.519 (20)	E	8
Shield - Drain	0.519 (20)	no connection	7
Black (Axis_0_S4)	0.519 (20)	H	9
Green (Axis_0_S2)	0.519 (20)	G	4
Shield - Drain	0.519 (20)	no connection	5
Overall Shield	N/A	no connection	10

Table C
1326-CCUT-xxx Flex Rated Commutation Feedback Cable for Motor Resolver

Wire Color	Gauge mm ² (AWG)	Connector Pin	System Module Terminal #
White/Black (Axis_0_R1)	0.519 (20)	A	1
White (Axis_0_R2)	0.519 (20)	B	6
Shield	0.519 (20)	no connection	2
White/Black (Axis_0_S1)	0.519 (20)	D	3
White/Red (Axis_0_S3)	0.519 (20)	E	8
Shield	0.519 (20)	no connection	7
White/Black (Axis_0_S4)	0.519 (20)	H	9
White/Green (Axis_0_S2)	0.519 (20)	G	4
Shield	0.519 (20)	no connection	5
Green/Yellow	N/A	no connection	10

2. Visually inspect the connections and pin locations for accuracy.

Important: If you insert a pin incorrectly, use an Amp extraction tool (part number 90759-1) to remove the pin.

Note: If you need to shorten the cable, or if pins are damaged, use the 1394-CCFK Connector Kit.

3. Connect the cable assembly to the 1394 system module using the instructions in the *1394 Digital AC Multi-Axis Motion Control System User Manual* (publication 1394-5.0).

Connecting to the Motor

To connect the cable assembly to the motor:

1. Hold the molded body of the motor end of the cable and align the keyway on the cable with the keyway of the motor.

Important: Do not hold the bayonet collar while connecting the cable. This makes O-ring compression more difficult.

2. Push the cable straight on the motor keyway until you hear a click.

Note: To remove the cable, pull back on the bayonet collar.

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