AB *Allen-Bradley*

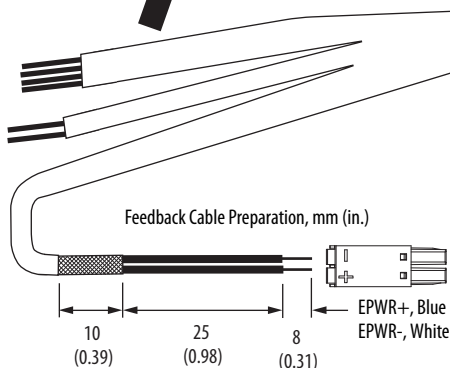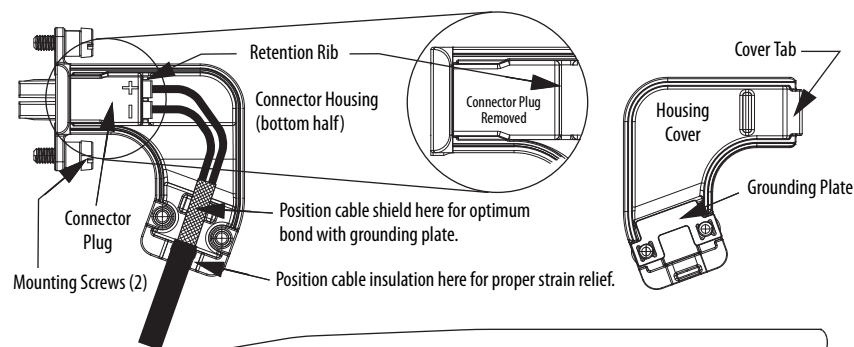# Kinetix 5500 Feedback Connector Kit

Catalog Number 2198-KITCON-DSL

About the Feedback Connector Kit

This feedback connector kit includes a two-pin connector plug that accepts feedback wires from the 2090-CS*x*M1DF-*xx*AA*xx* single motor cable. You must assemble the bottom half of the connector housing with the connector plug wired and properly positioned. In addition, you must align the cable shield and insulation. The housing cover includes a grounding plate, and when mated with the bottom half, provides a high-frequency bond with the cable shield.

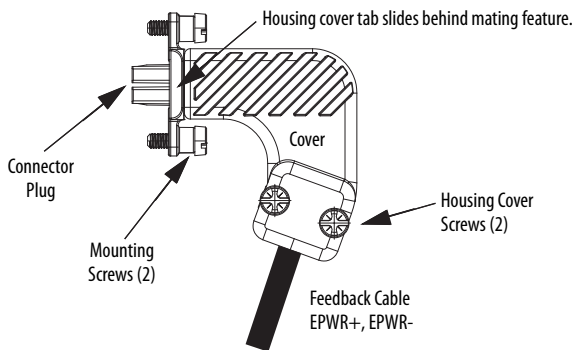Refer to the Kinetix® 5500 Servo Drives User Manual, publication 2198-UM001, for more information.

Install the Feedback Connector Kit

Feedback Cable Preparation, mm (in.)

10 (0.39) 25 (0.98) 8 (0.31)

EPWR+, Blue
EPWR-, White

Follow these steps to assemble the connector kit.

1. Insert wires into plug (observe polarity).
2. Position connector plug as shown.
3. Align braided shield as shown to maximize contact for high-frequency bond.
4. Align outer insulation of feedback cable as shown for proper strain relief.
5. Fit cover tab into bottom-half mating feature, keeping the plug pushed forward past retention rib as the cover is closed.
6. Tighten cover screws to recommended torque.

   Cover should close with no gaps.

   Pressure on the end of connector plug should not push plug back into connector housing.

Connector Plug Installed and Housing Assembled

Housing cover tab slides behind mating feature.

Connector Plug

Cover

Mounting Screws (2)

Housing Cover Screws (2)

Feedback Cable EPWR+, EPWR-

IMPORTANT	Cable preparation and positioning that provides a high-frequency bond between shield braid and grounding plate is required to optimize system performance.

Specifications

Attribute	2198-KITCON-DSL
Connector plug wire size	0.5 mm^2 (22 AWG)
Recommended wire strip length	8 mm (0.31 in.) single conductor
Recommended torque Mounting screws Cover screws	 0.4 N•m (3.5 lb•in) 0.4 N•m (3.5 lb•in)

Connector Data

Pin numbering corresponds to the Kinetix 5500 drive MF (2-pin) feedback connector.

Feedback (2-pin) Connector Plug

Drive Pin	Kit Pin	Signal	Wire Label	Wire Color
MF-1	1	D+	EPWR+	Blue
MF-2	2	D-	EPWR-	White