

PA22 Cable Installation Instructions

NOTICE: For proper operation of the ATI High Current module, customer supplied cables must be high-flex with fine stranding, with suitable strain relief for proper motion of the cable.

Tools required: 4 mm and 5 mm hex key, torque wrench, phillips screwdriver, 29 mm wrench

Supplies required: Loctite® 242

1. If the module is already installed on the Tool Changer, remove the (2) M6 socket head cap screws that secure the module to the Tool Changer using a 5 mm hex key. Lift the module assembly off the Tool Changer body.
2. Using a 4 mm hex key, remove the (4) M5 socket head cap screws that secure the fitting plate to the housing.
3. Using a phillips screwdriver, loosen the (2) pan head screws on the inside of the fitting plate and slide the socket retainer away from the holes in the fitting plate.
4. Disassemble the Robifix connector to gain access to the (3) cables/contacts.

NOTICE: If using larger diameter cables, the inner grommet inside of each cord grip will need to be removed and the outer grommet must remain.

5. Using a 29 mm wrench, loosen the cord grips and route the (3) cables/contacts from the Robifix connector through the (3) cord grips until hard stop.
6. Push down on the socket retainer to secure the (3) cables.
7. Using a phillips screwdriver, tighten the (2) pan head screws on the inside of the fitting plate. Tighten to 48 in-oz (0.34 Nm). Note: Socket retainer must be flush for assembly of fitting plate to housing.
8. Using a 29 mm wrench, tighten the (3) cord grips dome nuts one at a time starting with the middle nut. Tighten to 50 in-lbs (5.65 Nm).
9. Install the fitting plate to the housing.
10. Apply Loctite 242 to the (4) M5 socket flat head cap screws.
11. Using a 4 mm hex key, install the (4) M5 socket head cap screws to secure the fitting plate to the housing. Tighten to 25 in-lbs (2.82 Nm).

Figure 1.1—Install the Cables

