

### Package Contents

- Housing x1
- Crimp terminals x 6
- M25 cable gland x 1
- AP-AC-MLX installation guide



Only three crimp terminals are needed to assemble the AC connector. We include 6 crimp terminals in the package in case the crimp terminals are damaged during assembly.

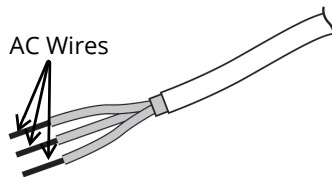
### Customer Supplied Equipment

- UV-resistant, outdoor-rated three-wire AC cable (18 AWG) with outside cable diameter of 6-12mm and inside wire diameter no more than 3.1mm
- Wire stripper
- Crimp tool
- Extraction tool (for removing terminals from housing)

### Assembling AC Power Cable

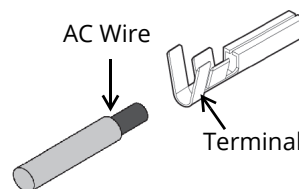
1. Use a wire stripper to peel 20 mm length of the outer sheath of the AC cable and then peel 3-3.3 mm length of inner insulation off each wire of the AC cable. See [Figure 1](#).

**Figure 1** *Stripping the AC Cable*



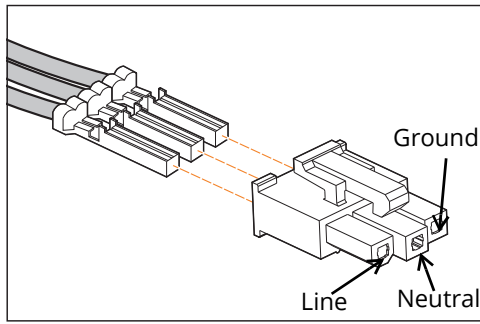
2. Use a crimp tool to crimp the bare part of the AC wire to the opening end of the crimp terminal. See [Figure 2](#).

**Figure 2** *Crimping the AC Wire to the Terminal*



3. Insert the three terminals into the housing. The AC wires are color-coded, the terminals (connected with the AC wires) must be inserted into the appropriate housing. See [Figure 3](#).

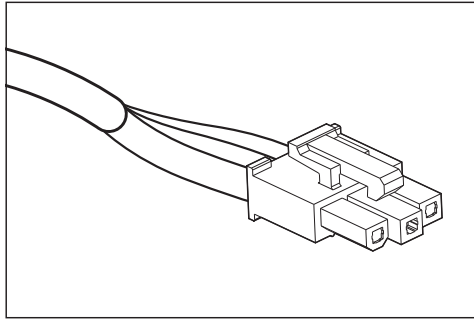
**Figure 3** Inserting the Terminals to the Housing



If a terminal is damaged during assembly or is inserted into the wrong housing, you can remove the terminal from the housing by following the instructions in ["Removing Terminals from Housing"](#) on page 3.

4. The AC power cable assemble is completed. See [Figure 4](#).

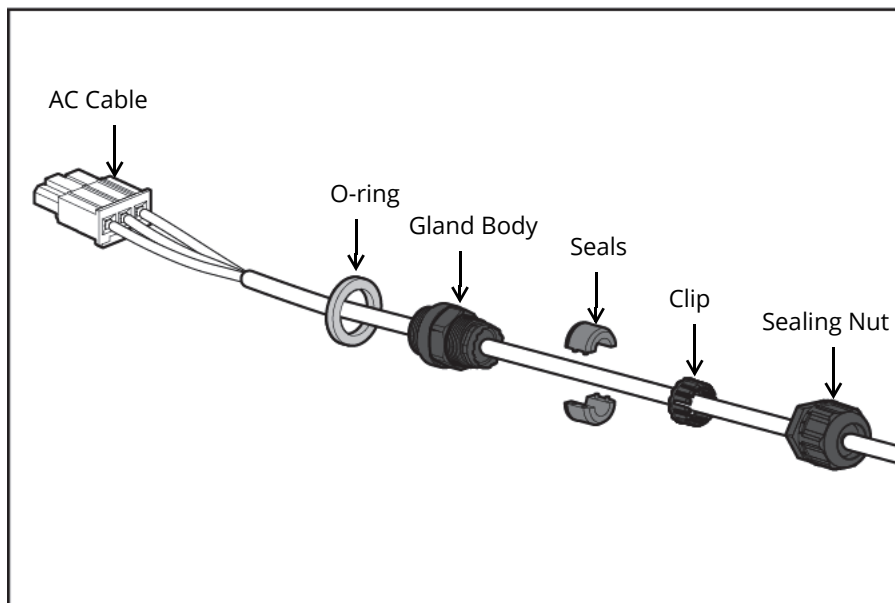
**Figure 4** AC Cable



## Connecting AC Power Cable

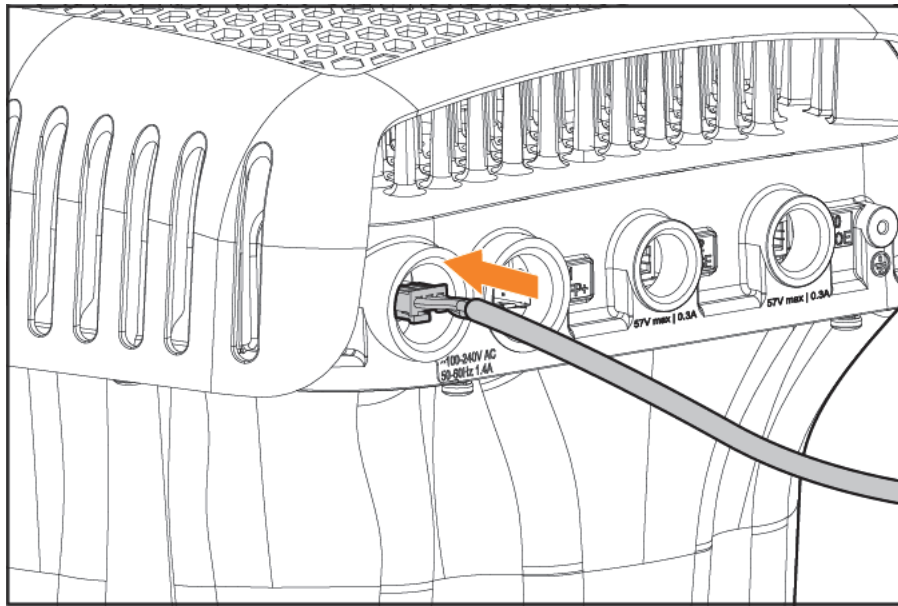
1. Remove the cap on the AC power port.
2. Slide the sealing nut, clip, gland body and O-ring over the cable. See [Figure 5](#).

**Figure 5** AC Power Cable and M25 Cable Gland



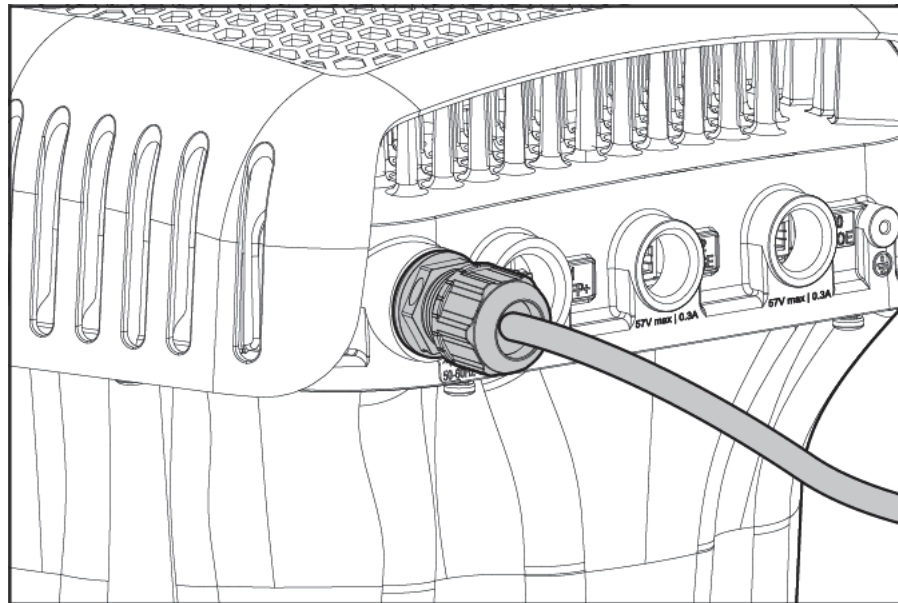
3. Insert the power cable connector into the AC power interface and ensure it clips into place.

**Figure 6** Inserting AC Cable Connector into AC Interface on AP



4. Place the O-ring on the gland body, and ensure it is in place.
5. Thread the gland body into the AC power port and tighten to a torque of 10.6 in/lbs (1.2 Nm).
6. Combine the two split seals over the cable, and push towards the gland body until located at the recess of the gland body.
7. Move the clip towards the gland body, passing over the seals, until the wavy end of the clip properly fits into the wavy end of the gland body.
8. Tighten the sealing nut onto the gland body to a torque of 10.6 in/lbs (1.2 Nm).

**Figure 7** AC Power Cable and M25 Cable Gland installed to AP

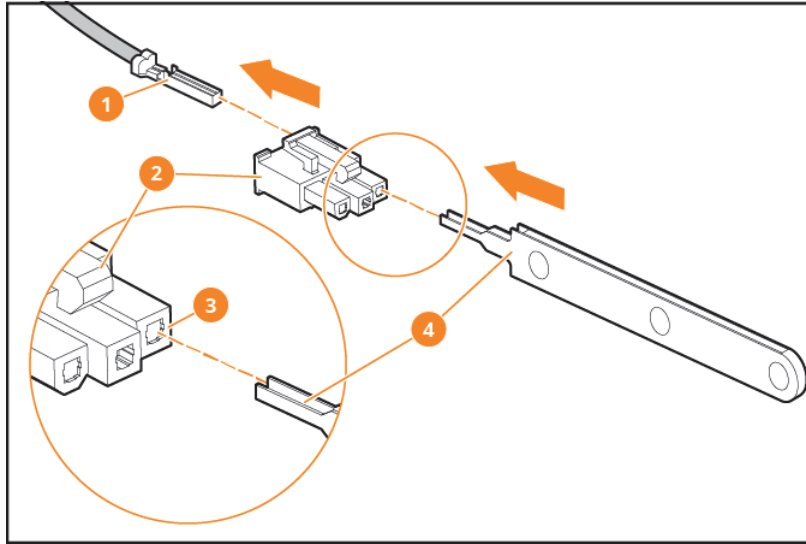


## Removing Terminals from Housing

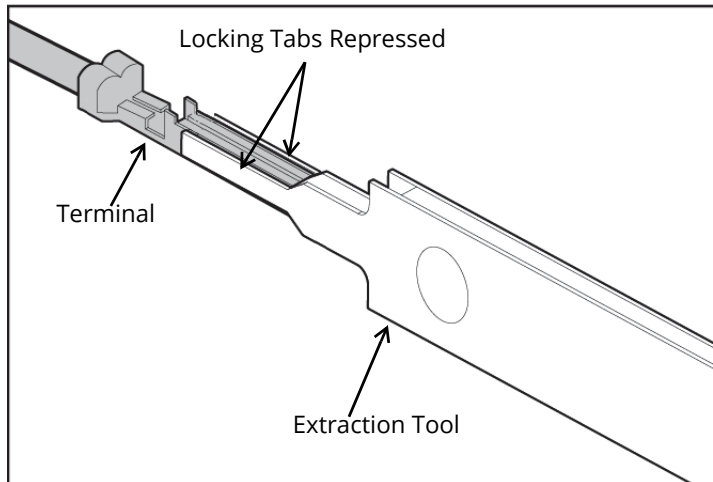
1. Insert the extraction tool(4) into the housing(2). See [Figure 8](#).
2. Use the slots(3) located on the inside of the housing to guide the extraction tool blades into the housing until contact is made with terminals(1).
3. Continue to insert the tool, always checking to see that the blades of extraction tool are on the outside of the contact. See [Figure 9](#).

4. Continue to insert extraction tool into housing until the locking tabs have snapped out of their locked position. If the locking tabs are still not totally depressed, hold on tight to the wire and push it toward the extraction tool. This will completely depress the locking tabs. See [Figure 9](#).
5. Grasp the terminal by the wire, and gently pull it out from the housing.

**Figure 8** *Removing Terminals*



**Figure 9** *Removing Terminal from Housing (Housing Removed)*



When a terminal is removed in this manner the locking tabs are damaged and the terminal is not reusable.