

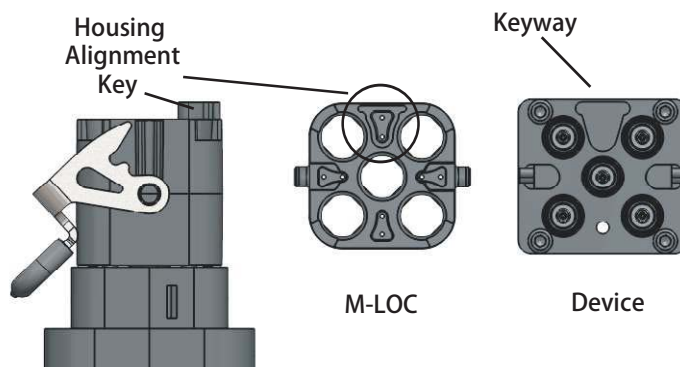
M-LOC Bird proof Jumper Assembly for HELIAX® M-LOC series

Bulletin 7860745 Revision E Page 1 of 2

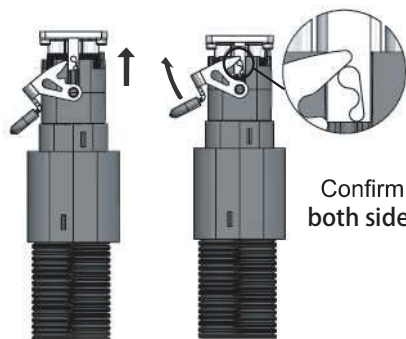
- 1** Remove any packaging and dust caps from the M-LOC and the device, uncoil the M-LOC assembly. Hold the bent flange portion of latch back toward cable strain relief.



- 2** Align the key on the housing with the keyway opening in the device. Orient the holes in the M-LOC connector to the panel mount connectors.

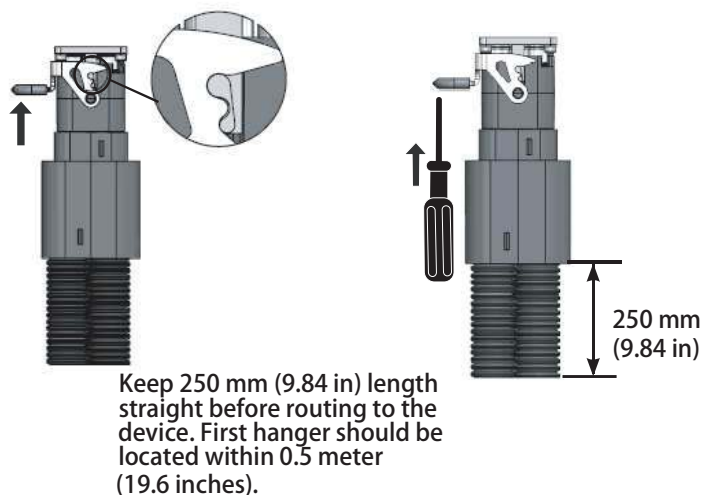


- 3** Align the M-LOC connector with the antenna mating interface and push firmly into place, eliminating gap between connector housing and bulkhead. While mating, a slight back and forth motion on the housing/ cables will assist in centering and seating the port connectors into alignment. Do Not twist the jumpers. Push the latch toward the base of the antenna to engage the latch pins at the base of the connector housing.



Confirm latch pins on both sides are engaged

- 4** Apply force on the bent flange of the latch until the detents in the arms pop over the pins. There will be an audible and tactile click. To reduce hand strain, a screwdriver may be used.

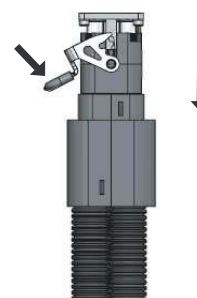


Keep 250 mm (9.84 in) length straight before routing to the device. First hanger should be located within 0.5 meter (19.6 inches).

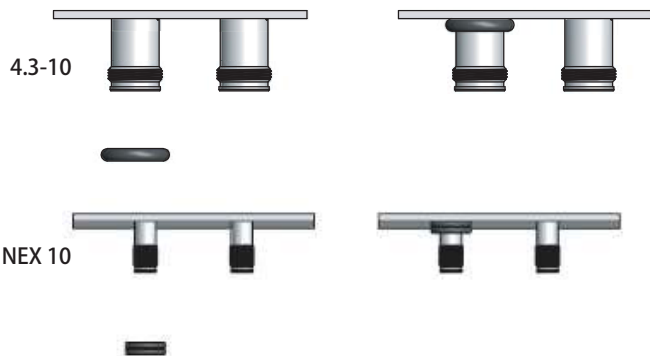
- 5** To remove the M-LOC connector pull latch flange away from the base of the antenna. To reduce hand strain, a flat blade screwdriver may be inserted in the slot above the latch flange and pulled down against the flange.



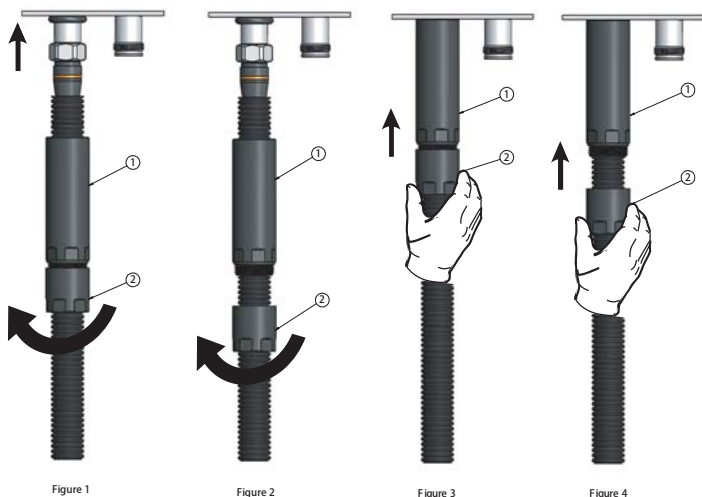
- 6** Grasp M-LOC connector housing, hold bent flange portion of latch back toward cable strain relief, pull the connector away from device. A slight back and forth motion on the housing helps to release the port connectors.



- 7** Put the gasket onto the female end, then pushing the gasket through the thread until stop by the end cap.



- 9** Loosen nut **2** from sleeve **1** by approximately 5 mm (as shown in Figure 1), or fully detach it from sleeve **1** (as shown in Figure 2). Then, push sleeve **1** forward to cover the gasket, ensuring it is aligned with the gasket and stops against the face of the end cap (as shown in Figure 3). If nut **2** does not move together with sleeve **1**, manually screw nut **2** onto sleeve **1** (as shown in Figure 4).



- 8** Torque the connection using the appropriate wrenches or tool.
4.3-10 male connector: 5-8 N • m (4-6 ft-lb)
NEX10 male connector: 1.5 N • m (1.1 ft-lb)

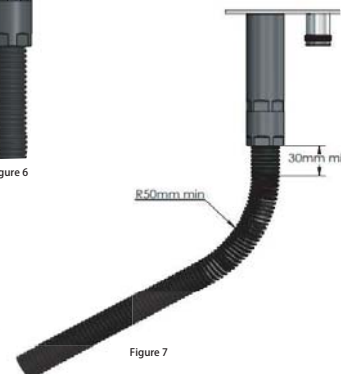
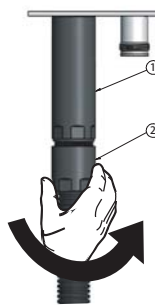


- 10** Hold sleeve **1** firmly by hand, then hand-tighten nut **2** onto sleeve **1** (as shown in Figures 5 and 6). Adjust the assembly to ensure that the sleeve fully covers the gasket.



Do not hold the connector or bend the cable directly behind it. Bending should begin at least 30 mm away from the end cap, as shown in Figure 7

If the nut becomes stuck or cannot move smoothly toward the connector end during installation, first move the nut slightly in the opposite direction (away from the connector end), then resume moving it toward the connector end. This will help eliminate the obstruction.



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