

Micron Optics, Inc.

**Weatherproof Connector Protection Sleeve Assembly
Installation Instructions**

Preliminary

Description:

The outdoor connector protection sleeve is designed to protect the fiber optic connection from moisture penetration. The connector protection sleeve kit includes the protection sleeve, two cable glands and one FC/APC adapter. You will still need to provide a pipe clamp to attach the protection sleeve to the structure. This cable gland will seal around cables from 3 to 7 mm in diameter.

Tools Required:

- Isopropyl Alcohol
- Optical wipes
- 7/8 inch (22mm) open end wrench
- Pliers (to grip 1 inch diameter coupling)
- Utility Knife
- Pin ó 9.8 mm (9.5 to 9.9 mm diameter will work okay)
- Pin ó 13.5 mm (Optional)

Installation Procedure:

Create a clean work area and clean hands to complete the splice. Remove the parts from the bag and read the procedures below. These instructions assume that connectors are already on the cable ends.

Install Cable Glands

- 1.1. Obtain cable gland and remove the cap and slide over end of cable. Repeat for other cable end.



2. Use the pin to push the seal out of the housing as shown below.



3. Use a sharp utility knife to slit the seal.
4. Slip the seal over the cable behind the connector oriented such that the small diameter end is pointed towards the cap.
5. Slide the gland body over the connector.
6. Push the seal back into the body. Be sure that the slit is aligned and mated together uniformly and is properly seated in the body.



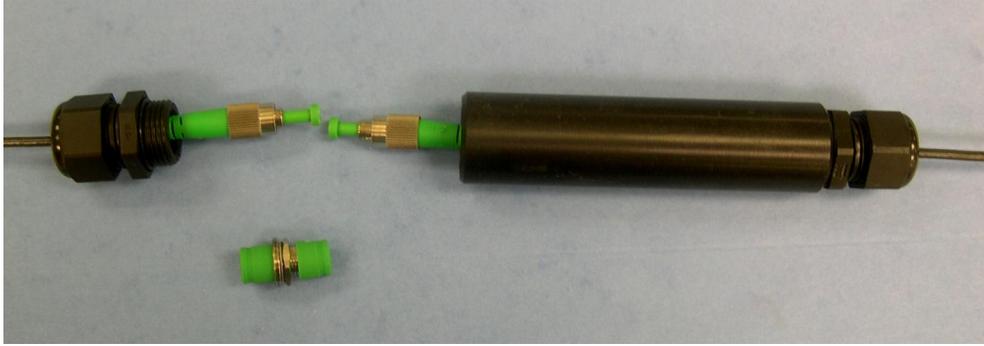
7. (Note that while you are slitting the seal you can use a 13.5 mm pin to spread the teeth of the body apart. This will make it easier to insert the seal back into the body once on the cable.)



8. Screw the caps back onto the gland body.

Connect Cables and Seal

1. Slide the connector protection sleeve over one of the cable ends. Screw a cable gland into coupling and tighten until the O-ring on the cable gland is compressed



2. Remove protective cap from one of the connectors and clean with isopropyl alcohol and an optical wipe. Remove cap from optical adapter and align key with slot and install the connector in one end. Repeat for other connector. Be sure to screw both connector caps in so they are tight.
3. Slide the connector protection sleeve over the optical connection and screw in the other cable gland and tighten as above.
4. Center the connector protection sleeve over the connection. Tighten the nut on each cable gland to compress the flexible seal but still allow the cable to slide in the gland.
5. Check that the connector protection sleeve is centered over the connection. Tighten the nuts on the cable glands. The nuts should be tightened one full turn after the seal has made contact with the cable.



- 6.
7. Anchor the connector protection sleeve to the structure using a one inch diameter pipe clamp.