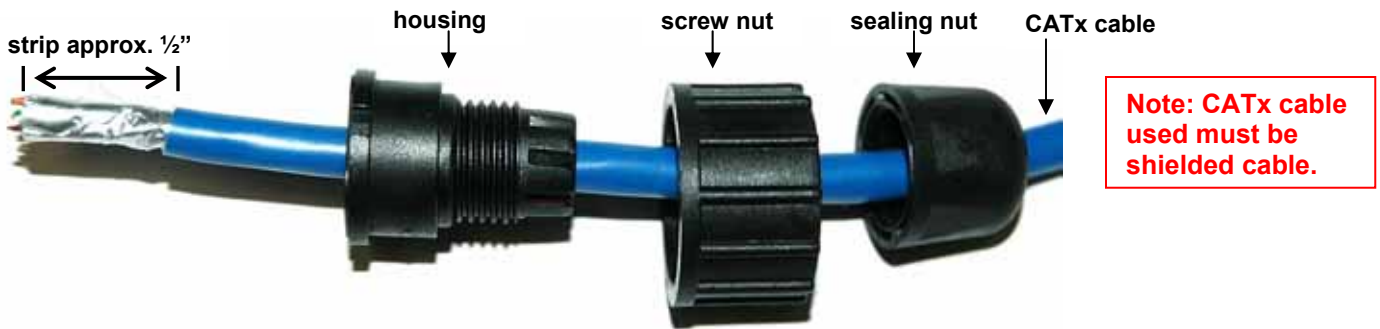# Cable Restraint Assembly Procedure
For ENVIROMUX-STS-O Outdoor Temperature Sensor

The ENVIROMUX-STS-O Outdoor Temperature Sensor includes a water-tight cable restraint to be applied to the Cat5/5e/6/6a shielded cable to be used to connect the sensor to an ENVIROMUX-SEMS-16 unit.   To make sure the connection is water-tight upon completion, follow the steps below.
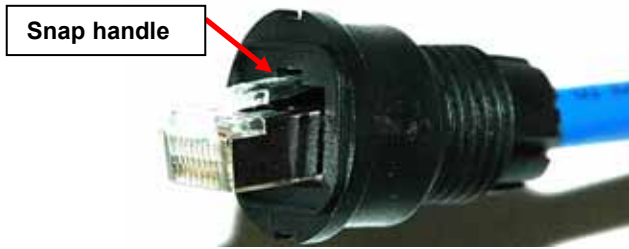
1. Insert the seal ring into the housing.

2. Strip the CATx shielded cable jacket (6mm-7mm O.D.) approximately ½" and insert the cable through the sealing nut, screw nut, and housing. (Note: Heat shrink tubing can be applied to cable to increase the O.D. to 6mm-7mm.)

strip approx. ½"   housing   screw nut   sealing nut   CATx cable

Note: CATx cable used must be shielded cable.

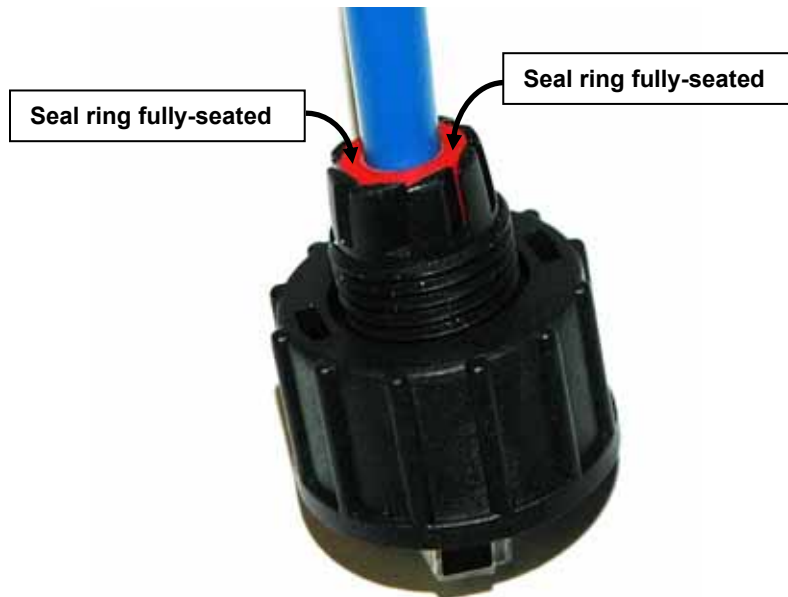3. Terminate the CATx shielded cable with an RJ45 connector.

4. Set the RJ45 connector into the housing such that the snap handle is in the notch.

Snap handle

5. Make certain that the seal ring is <u>fully-seated</u> into the housing.

THIS STEP IS EXTREMELY IMPORTANT TO ENSURE A WATER-TIGHT SEAL!

Seal ring fully-seated

Seal ring fully-seated

6. Plug the assembly into the socket on the ENVIROMUX-STS-O and secure the screw nut.   Then apply the sealing nut and securely tighten.

Securely tighten sealing nut to housing.