RF-BULK ASSEMBLY

INSTALLATION GUIDE

Figure 1: RF-BULK modem bulkhead connector assembly.

Overview

The NexSens RF bulkhead connector assembly allows 3rd party modems to be integrated inside CB-Series buoy data wells. The RF-Bulk includes a 1-meter pigtail with an SMA connector. It is intended for use with NexSens CB-PTL and CB-MCL pass-through lids. For other applications, the RF-Bulk requires a 1" diameter enclosure hole.

What's Included

- (1) 2 x 26mm O-ring (Pre-installed)
- (4) 4-40 x 1/2" Pan head screws (Pre-installed)
- 1-meter coaxial cable (Pre-epoxied)
- (1) Nut for connection to lid

RF-BULK Installation on NexSens Pass-through Lid

1. Remove one of the blank sensor plugs from the pass-through lid using a 3/16" allen wrench to remove the nut underneath the plate.

2. Remove the nut on the RF-BULK and route the RF-BULK cable through the open port on the pass-through lid.

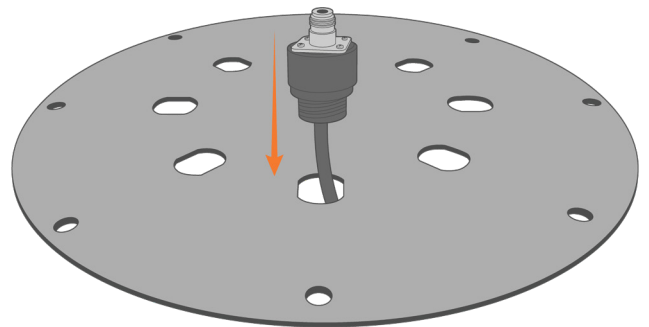   a. Ensure to align the flat edges of the RF-BULK threads with the open port.

Figure 2: RF-BULK cable routing.

3. Underneath the plate, route the cable through the nut and rotate the nut onto the threads.

   a. Hand tighten the nut and then use a 3/16" allen wrench to add an additional 1/8 turn.

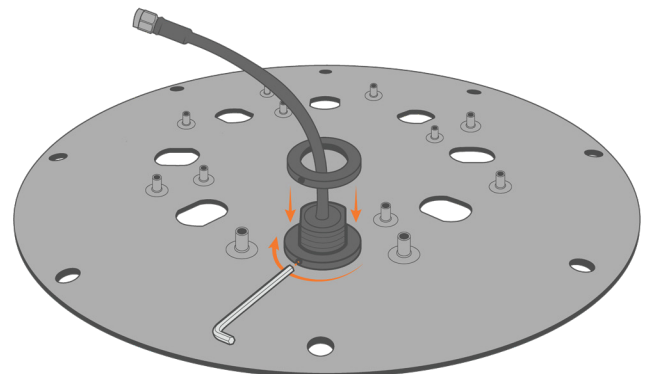   b. Apply an adhesive between the nut and the threads for further security.

Figure 3: Securing the RF-BULK.

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