

# GPS6000 - RF Cable Moisture Protection

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To prevent moisture in the RF connection, the antenna/coax connection should be sealed using the supplied Self-Amalgamating Tape. The tape should fully cover the coax heat shrink and the TNC connector, and should finish on the antenna mounting thread. The tape should be applied in successive half-lapped layers working up towards the antenna. To ensure good sealing of the RF connection, the tape should be gently stretched as applied.

The procedure below details the steps required.

## Procedure to seal the RF connection

1. Peel away one third of the white protective backing.
2. Starting just below the end of the black heat shrink sleeving, wrap once around the coaxial cable, ensuring the Self-Amalgamating Tape sticks to itself.
3. Continue wrapping upwards over the heat shrink sleeving, stretching the tape slightly as you go. Peel away additional white protective backing as needed. Wraps should be applied in successive half-lapped layers on top of the previous wrap. Make sure there are no voids and that the tape is pushed tight to the layer below.
4. Continue wrapping in a similar manner over the TNC RF connector and up towards the antenna.
5. The wrapping should finish as high as possible on the antenna mounting thread. Ensure the final wrap is a full wrap of the layer below and is pushed tight to the layer below.
6. Cut away excess tape if required.
7. Perform a visual check of the wrapping. Ensure there are no voids or gaps in the wrapping. Ensure the tape is pushed tight to the layer below.

(Note: A spare length of tape is supplied if needed.)