

Thank you for purchasing a Shakespeare antenna product. Customer comments are welcome. Before installing, please study the diagram and check parts supplied against those listed.

## IMPORTANT! Please read all instructions before installing.

The Style 5104 is an end-fed VHF marine antenna of 4' (1.2 m) overall length with matching stub and a chrome-plated brass ferrule.

**Tools required: Soldering iron (40-watt min., 75-watt max.), resin core solder, pocket knife, wire cutters.**

## Installation Instructions

Choose a mounting location that is as high as possible, as free as possible from obstructions, and as far as possible from other antennas.

1. Mount the antenna using a Shakespeare Style 4187 or Style 5187 Ratchet Mount (each sold separately). Follow the directions included with the mount you choose.
2. Route the cable to your transceiver, keeping it as far as possible from other electrical equipment and cables. Any excess cable should be rolled in a coil of at least 8" diameter and stowed in an out-of-the-way place, away from other electrical cabling. Install the PL-259 connector (supplied) according to the instructions packed with the connector.

This antenna requires no external or internal ground system, and works equally well on fiberglass, wood, or metal boats.

## Cleaning instructions

To clean the antenna, use mild dishwashing liquid (one that is not harsh to the hands and *without* ammonia) in lukewarm water.

## Tech Tips:

**This antenna will read "open circuit" when tested with an ohm meter or continuity tester.**

**The 50-ohm coaxial cable attached can be shortened as required. However, it should remain at least 3 feet (0.9 m) in length, measured from the point where the cable exits the antenna.**

## Supplied Parts

- 1 Antenna assembly
- 1 PL-259 connector with instructions

Antenna

**WARNING: Do not let paint solvents, cleaning solvents, or adhesive caulking come in contact with the antenna. Chemicals in these materials might destroy the finish.**

Chrome-plated brass ferrule

Cable



## Shakespeare Electronic Products Group

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