

A860

MARINE VHF ANTENNA Installation Guide

KJM is dedicated to providing the finest in shipboard equipment. Our products are built to withstand the harsh marine environment, and are designed by people with over three decades of experience in the marine industry.

Please read the following pages before attempting installation to ensure complete understanding of the A860 Marine VHF Antenna.

FEATURES

- White 8 Foot marine band VHF antenna with 6dB Gain
- 1"-14 stainless ferrule
- Brass radiators for maximum transmit and receive performance
- Includes: Gold plated PL-259 connector and 20' of RG-58 C/U Milspec double-shielded coaxial cable

ACCESSORIES



M-860

Stainless Steel Ratchet Mount

INSTALLATION

FCC Information:

The antenna must be located at least 3' away from passengers in order to comply with FCC RF exposure requirements.

The antenna should be mounted as high as possible for best performance. Keep the antenna away from large metal objects and other radiating devices like RADAR and other antennas. The A-860 VHF Antenna is supplied with 20 feet of RG-58 C/U Milspec double-shielded cable for maximum radiation and interference rejection. KJM does not recommend shortening the 20' cable; instead simply coil and tie-wrap the excess cable in a secure location. The cable may be extended using a PL-258 barrel connector between the antenna PL-259 and the additional coax cable PL-259. KJM recommends using RG-8X or RX213/U to extend the length.



**PL-258 Barrel
(not supplied)**

PL-259 Connector Installation

1. Cut the end of the coax cable to the dimensions shown Figure 1.
DO NOT CUT THE CABLE SHORTER THAN 5 FEET!
2. Remove the Threaded collar from the PL-259 connector and slide onto the cable.
3. Referring to Figure 2, pull the braid down on top of the white insulation on the cable.
4. Insert the cable into the connector (using a twisting motion) onto the cable until the center conductor appears through the center pin of the connector.
5. Solder the cables center conductor to the center pin of the PL-259 Connector.
6. Screw the threaded collar onto the connector.

Note: After installation it is recommended to have a qualified technician check the VSWR to ensure proper connections have been made.

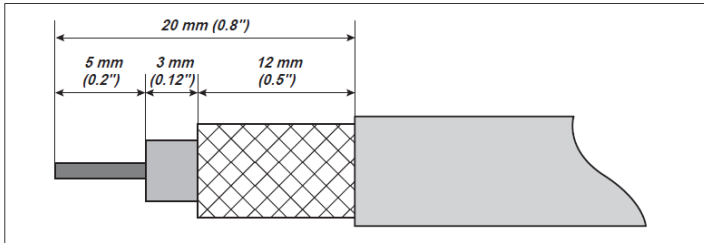


Figure 1

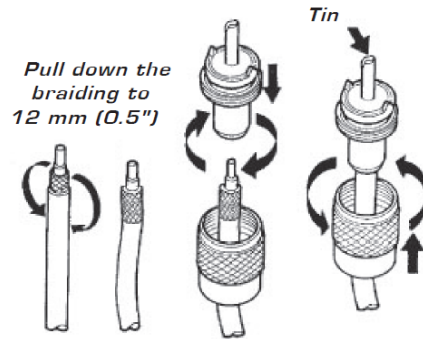


Figure 2

SPECIFICATIONS	
FREQUENCY RANGE	156 - 162 MHz
GAIN AVERAGE	6 dB
IMPEDANCE	50 ohms
POLARIZATION	Vertical
ELEMENTS	Brass and copper
SWR at 156.8MHz	1.3:1
DC GROUND	Yes
RADOME	Polished polyurethane
CONNECTOR	Gold plated PL-259
FERRULE	1"-14 threaded stainless steel
CABLE LENGTH / TYPE	20' / Milspec RG-58 C/U
WARRANTY	Limited Lifetime

Performance specifications are nominal and unless otherwise indicated, are subject to change without notice.

WARRANTY / CONTACT

KJM warrants its products to be free of defects in materials and workmanship for as long as the product remains the property of the original purchaser. KJM's obligation under this warranty is limited to repair or replace defective products. No material will be repaired or replaced without written authorization from KJM. Repair or replacement will be made only after an examination indicates defective material or workmanship at time of manufacture. KJM is in no event liable for consequential damages, installation costs or other costs of any nature incurred as a result of the use of the products manufactured by KJM, whether used in accordance with instructions or not. All shipping costs on returned material are the responsibility of the purchaser. KJM is not liable for repair or replacement of any product damaged by lightening, other natural phenomena or incorrect installation including reverse polarity connections. This warranty is in lieu of all others, either expressed or implied. Proof of purchase is required.

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