

Application:

The AV51BI-4 is a high quality dipole antenna designed for the maritime VHF radio telephone service. It is designed for use on pleasure craft, but the high quality means it may be installed on all kinds of vessels. It comes with integrated BNC coaxial connector.

Electrical specifications:

| | |
|-------------------|---|
| Frequency range | 156-162 MHz, VSWR < 1.5 : 1 145-165 MHz, VSWR < 2 : 1 |
| Nominal impedance | 50 ohm |
| Power rating | 100 W |
| Gain | 3 dB |
| Pattern | Horizontal plane: Omnidirectional Vertical plane: See reverse side |
| Polarization | Vertical |
| Connector | BNC female |
| DC-grounded | Yes |

Mechanical specifications:

| | |
|-------------------|---|
| Design | Center fed coaxial dipole. Radiating element completely enclosed in polyurethane foam within a fiberglass tube. Stainless steel bracket |
| Height | 4' (1,25 m.) |
| Weight | 0.5 kg |
| Wind rating | 55 m/s = 125 mph |
| Finish | Polyurethane lacquer, white |
| Water proofing | IP67 |
| Temperature range | -55 °C, +71 °C; -67 °F, +160°F |

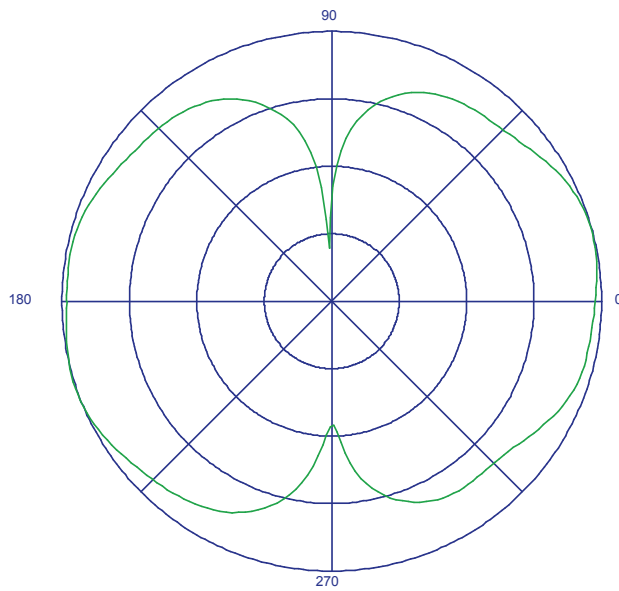
Mounting:

The AV51BI-4 is fitted with UNS1"x14 female ferrules. Can be used with all standard mounting accessories. Integrated BNC female coaxial connector. All BI versions come with a tool to mount the BNC male coaxial connector inside the stainless steel ferrule.

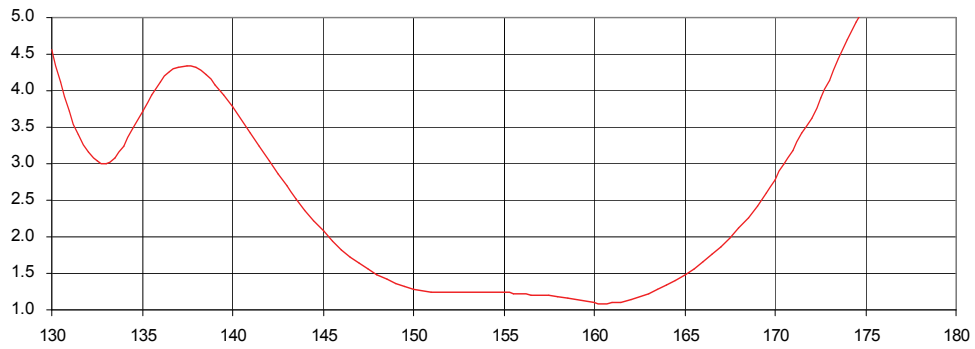
AV-C adapter: To be able to make all 4ft. And 8ft. –BI version antennas – to a side feed cable version (to compensate for all C-version) - AV-C adapter is required.

4-way bracket and coaxial cable not included

UNS: Unifield Special



Vertical radiation diagram
 f= 160MHz
 40dB dynamic range, 10 dB/div

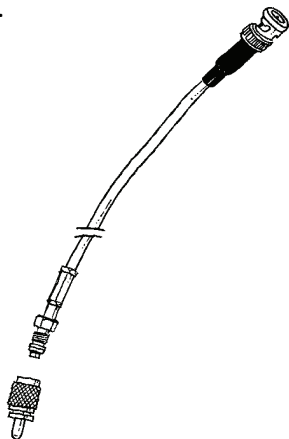


Standing wave ratio

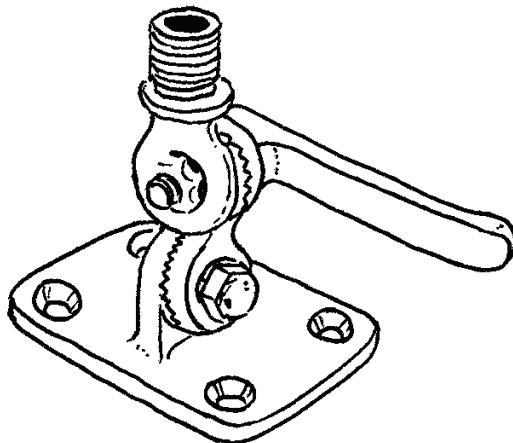
Options

RG58 Cable

Available in:
 40ft 12m.
 23ft 7m.
 16ft 5m.
 2ft 0,6m.



4 way bracket



Extension Masts

