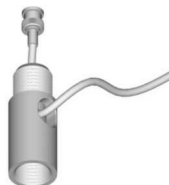
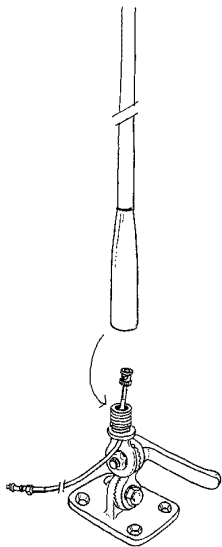
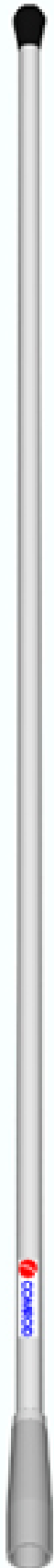


## AV51BI4

VHF, 3 dBi, one piece whip, dipole, end feed, BI thread mount, 1.25 m, 145-165 MHz

### Commercial and Marine Antennas



### 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

<b>Frequency Range</b>	156-162 MHz, VSWR < 1.5 : 1 145-165 MHz, VSWR < 2 : 1
<b>Nominal Impedance</b>	50 $\Omega$
<b>Power Rating</b>	100 W
<b>Gain</b>	3 dB
<b>Pattern</b>	Horizontal plane: Omnidirectional Vertical plane: See reverse side
<b>Polarisation</b>	Vertical
<b>Connector</b>	BNC female
<b>DC-grounded</b>	Yes

### Mechanical Specifications

<b>Design</b>	Centre fed coaxial dipole. Radiating element completely enclosed in polyurethane foam within a fibreglass tube. Stainless steel bracket.
<b>Height</b>	1.25 m
<b>Weight</b>	0.5 kg
<b>Wind Rating</b>	55 m/s = 201 km/h
<b>Finish</b>	Polyurethane lacquer, white
<b>Water Proofing</b>	IP67
<b>Temperature Range</b>	- 55°C to + 71°C

### 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 adaptor: 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 adaptor is required.

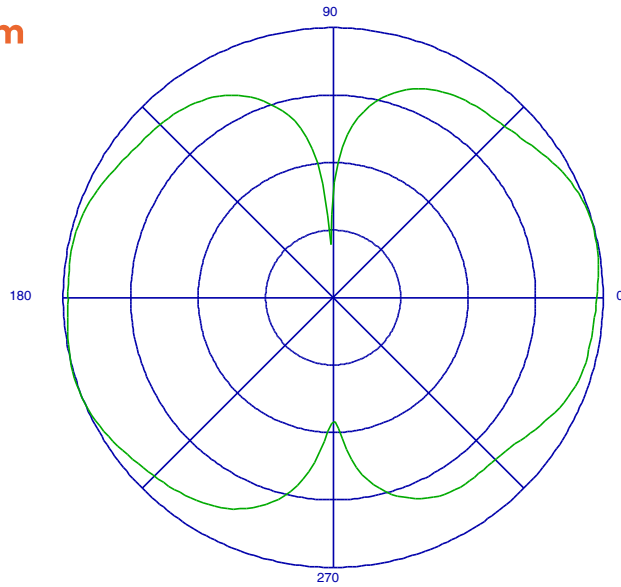
4-way bracket and coaxial cable not included

UNS: Unifield Special

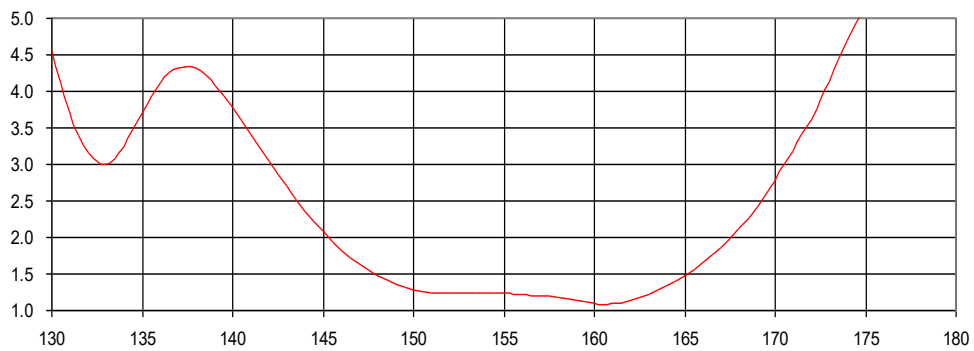
## Vertical Radiation Diagram

f= 160 MHz

40dB dynamic range, 10 dB/div



## Standing Wave Ratio

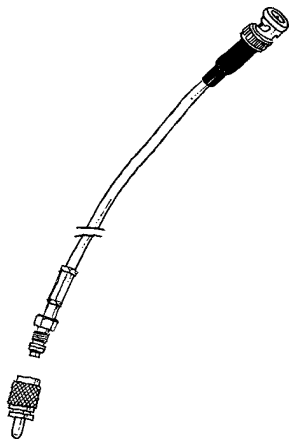


## Options

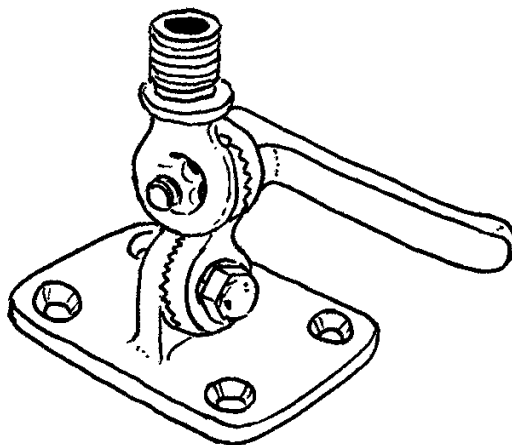
RG58 Cable

Available in:

- 12 m
- 7 m
- 5 m
- 0.6 m



4 way bracket



Extension Masts



September 2018

All specifications are subject to change without notice  
The information contained herein is for reference only and does not constitute a warranty of performance

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