



# BROADBAND PROPAGATION

## Antenna Design & Supply

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## CFB-150 CENTRE-FED, BROADBAND HF WIRE ANTENNA, PORTABLE

The CFB-150 is a centre-fed, broadband, single wire dipole. Construction is of marine grade stainless steel wire. This antenna offers good performance in a simple easy to deploy portable package. It can also be used in semi permanent applications.

Operation covers the full range of 2-30 MHz with instantaneous response to any frequency within this range, suitable for high speed, frequency-hopping radios. The antenna can be operated horizontally or as an inverted V.

### **NO ANTENNA TUNER OR ANTENNA ADJUSTMENT IS REQUIRED**

It is recommended that for portable use the antenna be used with our BPV-TM range of lightweight portable tactical masts. This antenna/ mast combination offers the best available performance and ease and speed of deployment.



### Specifications

Frequency Range:	2-30 MHz
Input impedance:	50 Ohms
Polarisation:	Linear, Horizontal
VSWR:	Better than 2:1 from 2-30 MHz
Power Rating:	150 watts PEP
Input Connection:	N type female Mil. Spec
Antenna Length:	32 metres
Antenna Height:	Minimum 5 metres
Antenna Weight:	1.3 kg
Wind Rating:	220 Kilometres/ hr*
Operating Temperature:	-30 to 55 Degrees C ambient
Operating Humidity:	0-100% relative humidity

\*AS1170.2 SAA Loading code; Wind Loads

### Options

Coaxial Cable: 30 metres of Mil. Spec. RG-58 cable fitted with suitable connectors