

## HF Wire Antenna Kit 1.6-30 MHz

Type 4011-900

The HF Wire Antenna Kit provides a versatile range of tuned wire antenna solutions for use with vehicle borne or man-pack applications. This gives the radio operator the opportunity to deploy an antenna suitable for most requirements. It can be configured as a tuned dipole for medium range skywave paths with the take off angle dependant on the apex height above ground. Near Vertical Incidence Skywave (NVIS) can be achieved using the kit in an inverted vee configuration with an optimum apex height.



Equipment	Qty	Drawing Number
Wire Braid Radiating Element	2	4011-107-01
Centre Junction Assembly	1	4011-103-01
BNC Adaptor Assembly	1	4011-105-01
Carrying Case	1	4011-110-01
Coax Cable (15m) BNC Male	1	4020-140-01

<b>Electrical Specification</b>	
<b>Frequency Range</b>	1.6-30 MHz Tuneable with suitable ATU (not supplied)
<b>Power Rating</b>	160W
<b>Connector</b>	BNC female
<b>Input Impedance</b>	50Ω
<b>Pattern</b>	Dependant on configuration
<b>Polarisation</b>	Dependant on configuration
<b>Electrical Length</b>	½ wave in horizontal dipole configuration
<b>Mechanical Specification</b>	
<b>Design</b>	The radiating elements are constructed of tinned copper braid with a 100% continuous filament of 'Kevlar' and an insulating outer coating of PVC. Each radiating element is wound on a glass reinforced nylon winder board. The tuned dipole centre junction is moulded in black polypropylene.
<b>Height</b>	Dependant on configuration
<b>Weight</b>	1.91kg
<b>Sections</b>	Element: 0.4kg Centre junction: 0.116kg BNC adaptor: 0.35kg Coaxial cable: 0.65kg
<b>Finish</b>	The radiating elements are finished with an outer coating of PVC. Both the centre junction and BNC adaptor are moulded in black polypropylene. The winder board is constructed of moulded glass reinforced nylon.
<b>Optional</b>	A range of sectional mast supports are available, please ask for further details.
<b>Environmental Specification</b>	This product has been fully tested to meet Military environmental conditions of DEF STAN 00-35

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