

Custom Made Antennas

We can build CAROLINA WINDOMS and dipoles with insulated wire.

It is not possible to use insulated wire with loop antennas. The wire will not twist back on itself well enough to hold an insulator in place.

#13 (19-strand) VariFlex copper-clad steel insulated wire. Very tough, slick, black insulation. Add 18 cents per foot plus \$10.

#12 (259-strand) PE insulated copper wire
A copper wire with a tough black insulation. Not as stiff as #13. Add 23 cents per foot plus \$10.

#14 (168-strand) PE insulated copper wire
Same as above but with #14 wire. Add 18 cents per foot plus \$10.

#12 (259-strand) PVC insulated copper
A very flexible insulated copper wire, available in black. Add 28 cents per foot plus \$10.

#14 (168-strand) PVC insulated copper
As above with #14 wire. Add 21 cents per foot plus \$10

.#12 (7-strand) Copper-clad steel Uninsulated - This is the standard copper-clad (copperweld-type) wire. Call for quote and availability.

To calculate the price of the antenna, simply multiply the cost, per foot, of the wire times the length of the antenna. Add the building cost plus the price of the antenna and the cost of the wire.

Example - A CAROLINA WINDOM 80 is 133 feet long. #13 wire is desired. Multiply 133 (wire length) times .18 (wire cost) = \$23.94. Add to that the building cost of \$10 and the price of the antenna, \$115. The total is \$115 + \$10 + \$23.94 = \$148.94

All of the on the next page are special purpose, high performance antenna systems that are not popular enough to keep in stock. As a service to our friends and customers, we will custom-build them for you on request.

Allow three to four weeks for delivery. Call us at our 800-280-8327 number for further information, estimated date of delivery, and to make any special requests.

ULTIMA™ DIPOLE

*High power conventional dipoles
Available in 2 kW and 3 kW models*

SPECIFICATIONS

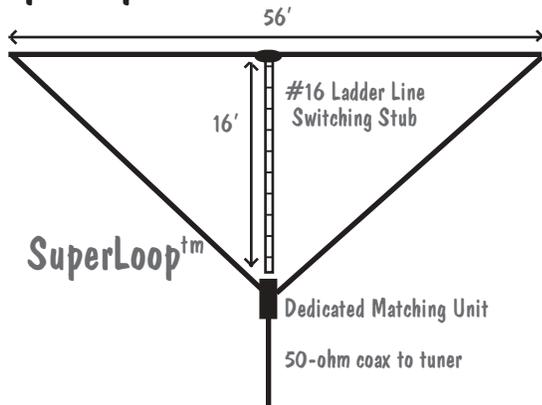
Bands:	Any HF frequency
Radiator:	½ wavelength
Feedline:	50 ohm coax, user supplied
Balun Type:	B1-5K Plus in 2 kW models B1-6K in 3 kW models
Power Rating:	2 kW CW/SSB 3 kW CW/SSB or 1.5 kW on AM, RTTY for 3 kW version
Matching Method:	Balun
Transmatch:	Not required
SWR:	Low, field adjustable
End Insulators	CIN

Ultima Dipoles are conventional antennas built with only the best parts. The B1-5K is the best 1:1 balun made for wire antennas. The B1-6K balun in the 3 kW models is our highest power handling balun. The #14 hard-drawn antenna wire provides excellent strength but is light in weight. The 3 kW version is made with #13 insulated copper-clad steel wire. Our CIN end-insulators provide the lowest leakage path. With CoaxSeal®. Assembled. Factory cut for CW. You trim the length to your favorite frequency.

			2 kW	3 kW
UD80	80/75 m	(132')	\$57.95	\$115
UD40	40 m	(66')	\$50.95	\$105
UD30	30 m	(46')	\$48.95	\$100
UD20	20 m	(33')	\$47.95	\$100
UD15	15 m	(22')	\$47.95	\$100
UD12	12 m	(18')	\$47.95	\$100
UD10	10 m	(16')	\$47.95	\$100

Custom Made Antenna Systems

SuperLoop 40



40 - 10 m, antenna tuner is required.
 1500 watts CW/SSB Not rated for high duty-cycle modes
 Recommended height >30 feet
 Achieve the gain of a Bi-Square beam on all bands.
 Superb receiving and transmitting antenna.
 Solder only two wires and you're ready to go.
 Custom Order - **only \$129**

Vertically Radiating Dipole

1/2 wave dipole

This special dipole system uses the RADIO WORKS' "VERT" system which produces a vertically polarized radiation pattern. The takeoff angle is low and is especially effective on 80 or 40 meters.

Center-fed

1/4 wave Vertical Radiator
RG-8X coax

Special Line Isolator
50-ohm coax

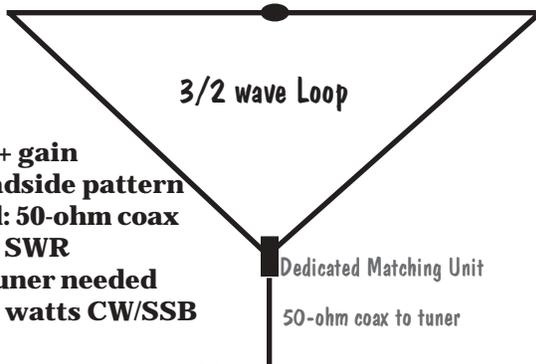
VERT: "Vertically Enhanced Radiation Technique," generates a very low angle radiation pattern.

Horiz radiator: 1/2 wave
Vert. radiator: 1/4 wave
Balun type: Line Isolator
Feedline: 50-ohm coax
Power rating: 1.5 kW*
Tuner needed: No
*CW/SSB

Model	Horiz	Vert	Price
VRD 80	132'	72'	\$119
VRD 40	66'	36'	\$109
VRD 30	46'	24'	\$89

Any band is available

BigSig Loop



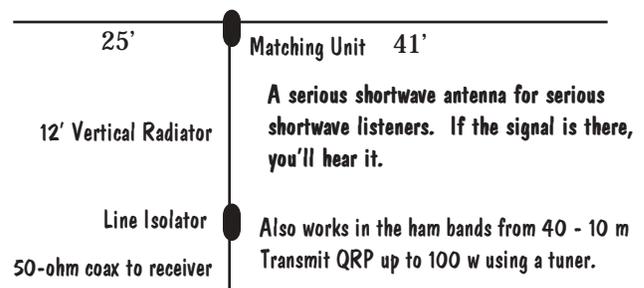
3 dB+ gain
Broadside pattern
Feed: 50-ohm coax
Low SWR
No tuner needed
1500 watts CW/SSB

Excellent single-band 80 or 40 meter DX antenna. Develops about half the gain of a 80 or 40 meter Yagi beam. Use in pairs to switch patterns. Exceptional gain, in a small antenna with 6 or 10 meter version.

Band	Length of wire in loop	Price
80	420'	\$100
40	210'	\$90
30	150'	\$85
20	107'	\$80
10 or 6	54'/30'	\$60

Other bands available

CAROLINA WINDOM Shortwave



A serious shortwave antenna for serious shortwave listeners. If the signal is there, you'll hear it.

Also works in the ham bands from 40 - 10 m
 Transmit QRP up to 100 w using a tuner.

A shortwave antenna based on the record breaking CAROLINA WINDOM. No traps to destroy performance. The entire antenna is used on all bands. The Vertical Radiator insures unmatched performance unapproachable by any conventional antenna. Simply put, this antenna transfers more signal to your receiver as a result of its high efficiency and excellent impedance matching. You'll hear stations loud and clear.

\$110

Other Custom-Made Antennas:

CAROLINA WINDOM 620 (33')(20 - 6m) Tuner required \$95

6 & 2 meter Longwire (78' long)(6 and 2 m) \$60

CAROLINA WINDOM Short 80 Special (50') Wide Range Tuner Required \$145

Prices and specifications are subject to change without notice.