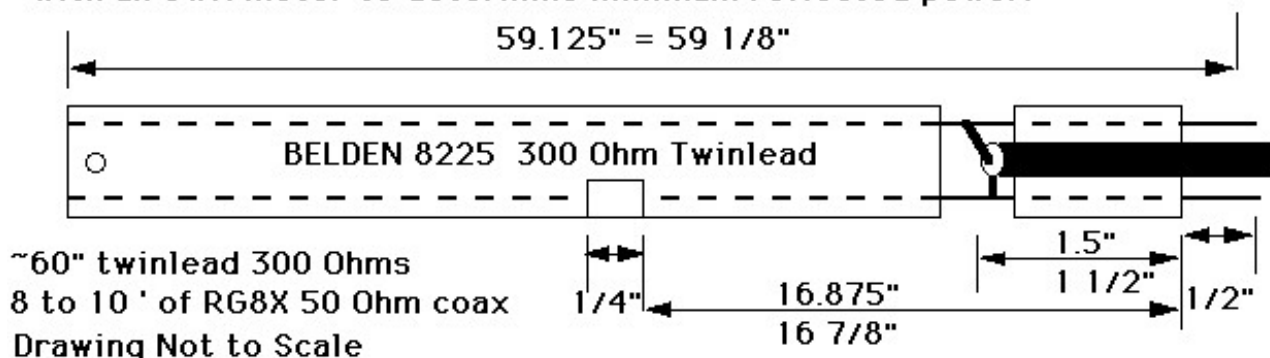


Roll-Up J-Pole Antenna for 2 Meters

KC7NS
WB6ADC
N6YNG

1. Cut a piece of standard 300 Ohm Twin Lead to about 60" long.
2. At one end strip off 1/2" of insulation from both conductors.
3. Twist the ends together and solder them. Insulate with tape.
The following measurements are from the soldered end.
4. Cut a 1/4" notch in one conductor 16.875"=16 7/8".
Do Not remove the rest of the conductor.
5. At 1.5" from the shorted end , remove enough insulation from both conductors to connect the coaxial feed line.
6. Connect the coaxial line shield to the 16 7/8" side.
7. Connect the coaxial center conductor to the long side.
- 8 For support and protection, put a piece of heat shrink or plastic tape over each of the solder connections.
9. Punch a small 1/8" hole in the insulation at the open end to hang the J-Pole.
A small string or Tie-wrap works well to pin the J-Pole to a curtain.
10. Tuning: If you use the exact dimensions shown below the antenna will be resonant in the two meter band. Prune the open end a little if not exact with an SWR meter to determine minimum reflected power.



Frequency {MHz}	28.4	147	223	440
Total Length {in.}	306.034	59.125	38.975	19.753
To Notch {in.}	87.346	16.875	11.124	5.638
Stub {in.}	7.764	1.500	>0.989	0.501