A PORTABLE LONG WAVE LOOP ANTENNA (127 KHz to 452 KHz) (by ON4EI)

0/ Design

1/ Take a 64 conductor ribbon cable 2 meters long

2/ Strip 128 wires
3/ Solder wires alternatively to create an inductor loop

4/ Continue to solder wires and do not forget to make one loop alone to allow coupling

5/ After some time you did it!
6/ Suspend the loop inductor

7/ Measure the loop inductor (4.537mH)

8/ Add a 300pf capacitor (I glued the wires and used Velcro to bond the capacitor)
9/ Your portable Long Wave loop antenna is now ready for your suitcase

10/ Portable Long Wave loop antenna deployed
Antenna measurement

127 KHz

452 KHz
If you need a LW convertor kit, have a look at: http://wb9kzy.com/lfconv.htm