

# Test Antenna

A simple test antenna with a good read range can be made from inexpensive stranded copper wire used in house construction.

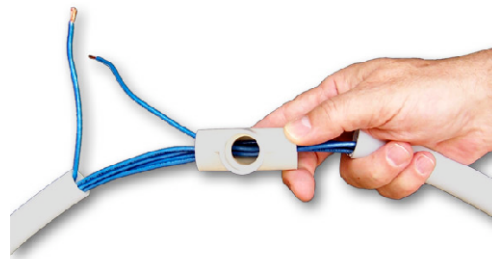


12 AWG stranded wire

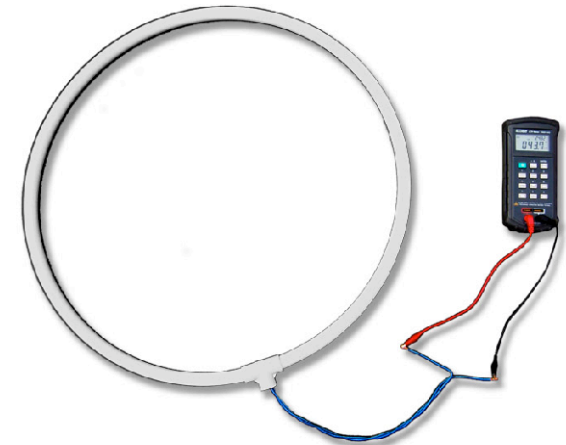


Diameter including sheath 0.130"/3.3mm  
 Wire bundle diameter (inside sheath) 0.090"/2.3mm  
 19 strands, each strand 0.019"/0.5mm

The loop can be built into plastic water pipe to provide structure. Or the wires can just be bundled using plastic tie wraps.



Bring the ends through a 'T' and pull the wire to close the housing



The inductance of the loop is measured by attaching the meter to the wire ends.

Loop Diameter	Loop Turns	Inductance uH
3'	3	27
2'	5	45

The jumper chart is used to find the closest settings to the loop value.

