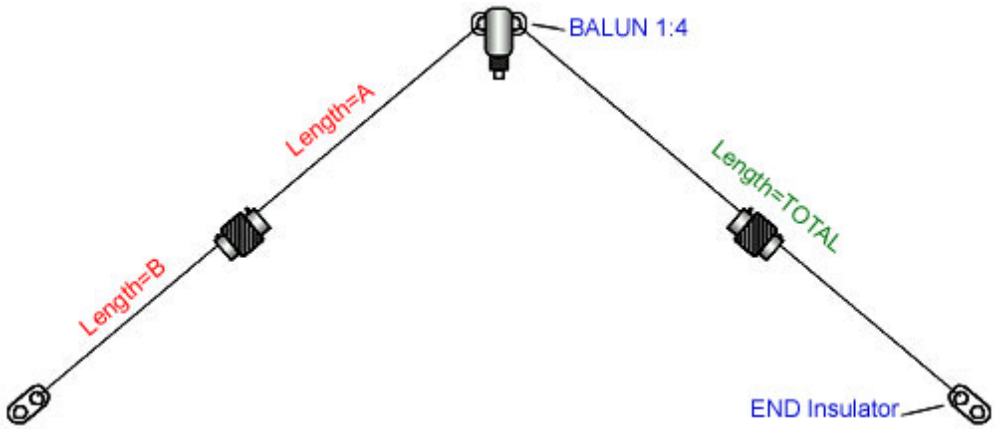
- 2 band Trapped Dipole for 45/86 meter -

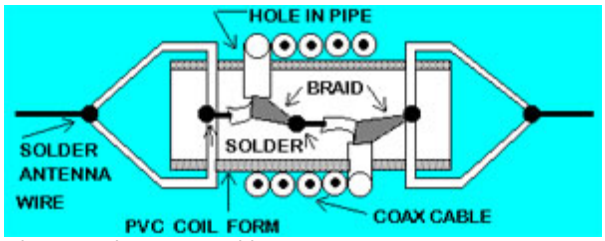


- Technical data -
This Trapped dipole is designed to work on 45Meter (Center 6680kHz) and 86Meter (Center 3445kHz) Band,- it is a Folded Dipole,- Sloping from center about 40dgr angle.

```
To complete this design you need
=====================
2pcs of end Insulators
1pcs of Balun with impedance ratio 1:4
2pcs of Coacial trapps tuned @ 6680 kHz
45 Meter of multi treaded cupper wire 1.5 in square millimeters.
8pcs of wire locks

Dipol Design data
=====================
Length TOTAL     : 21.77 meter (Half dipole)(Resonant @ 3445 kHz)
Lenght A         : 11.25 meter (Resonant @ 6680 kHz)
Lenght B         : 8.88 meter
Owerall lenght   : 43.54 meter
```

Trapps
The two trapp-coils is made out of coaxial-cabel (RG-58U) and is calculated usein 'CoaxTrap' PC Computer software.



The coaxial trap assembly

```
Trap Design parameters
=====================
Frequency        : 6680 kHz
Form Diameter    : 50 mm
Coax Diameter    : 5 mm
Capacitance      : 95 pF/meter

Trap Calculation
=====================
Calculated Turns : 9.35
Coil Lenght      : 164.11 cm
End Sensitivity  : 20.12 kHz/cm
Turn Sensitivity : 50.02
L/D Ratio        : 0.85
L                : 3.641 uH
C                : 155.91 pF
X                : 152.82 ohm

Sample Coaxial cable used
```

```
======================
Make              : Alpha Wire RG58A/U
                  : With single solid center lead
Inner lead        : 1x0.80 mm2
Owerall diameter  : 5.0 mm
Cower             : Balck PVC
Impedance         : 53 ohm
Capacitans        : 95 pF
WaveSpeed         : 0.66
Attenuation@30MHz: 8.9 dB/100 meter
```

Tuning and testing.
About HOW-TO Test and tune your CoaxTraps

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