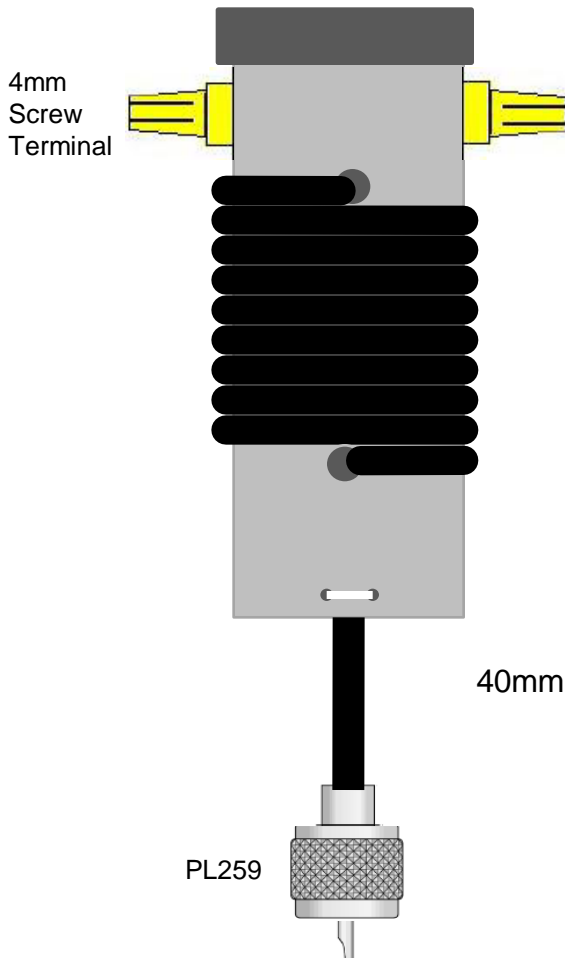


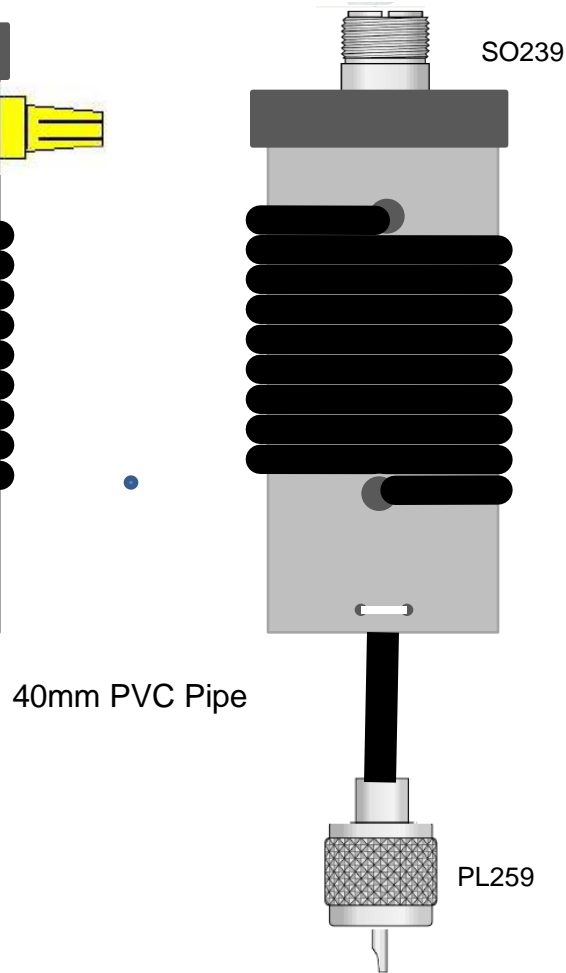
CHOKE BALUN DESIGNS



Coax Choke BALUN
for
Twin Line Feeder



In-Line Coax
Choke BALUN
for
Coax Feeder



The two coaxial Choke BALUNS are constructed from 40mm plastic drain pipe using 5 - 6 metres (15-18ft) of Mil Spec RG58 or MIN-8 Coax. The bottom end coax is held in place with a small plastic tie-wrap. A plastic cap from a food jar is used as at the top of the BALUN.



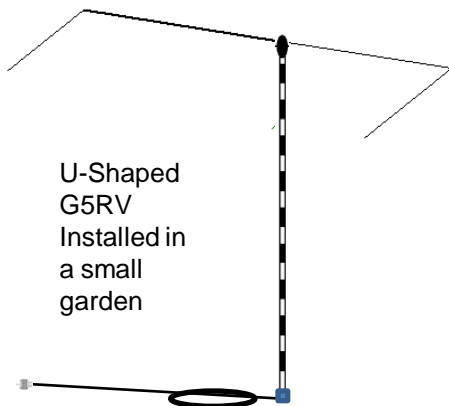
The Coiled Coax BALUN



Not the prettiest BALUN, but just as effective and very easy to construct.

Using about 5-6m (15-18ft) of coax make a several coils 200mm diam (8ins) and tie tightly together using tie-wraps

The table shows the effect of adding the simple Coax Balun at the bottom of the G5RV's 300 Ohm twin line.



G8ODE's U-Shaped G5RV approx 8-9 Metres above ground .			
MHz	50R Coax connected direct to 300R Ladder Line		50R Coax Via 8 turn Coax Balun to 300 R Ladder line
3.75	3.33 : 1		2.24 : 1
7.05	2.71 : 1		2.78 : 1
10.12	HIGH		12.3 : 1
14.15	8.4 : 1		3.93 : 1
18.12	7.8 : 1		2.49 : 1
21.2	8.8 : 1		5.2 : 1
24.9			
28.5			
The 8 turns BALUN made from 15m of RG58 Improves SWR at Transceiver - measured with an Autex VA1 Antenna Analyser analyser			