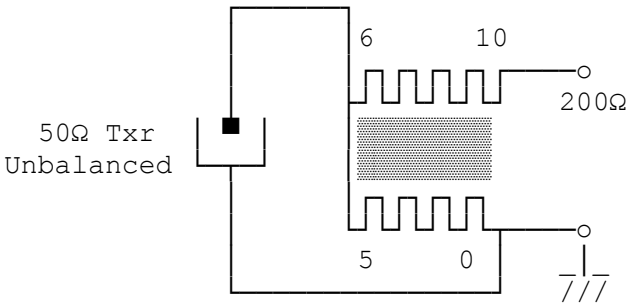
50Ω - 200Ω HF Transformer

Here is 4:1 Transformer for HF long wires (New Nov 09)
(8 Bit ASCII graphics use code page 437 or 850, Terminal Font)
THIS IS NOT A BULAN!
An auto-transformer may well make matching a long wire possible on AUTO ATUs that do not have a good impedance range. (e.g. only for SWRs of < 3:1)

It is possible to rewire/switch a balun to do this.

At this ratio the ferrite only has to handle 50% of the RF power!
Turns Ratio 5:10 giving a Z ratio of 1:4

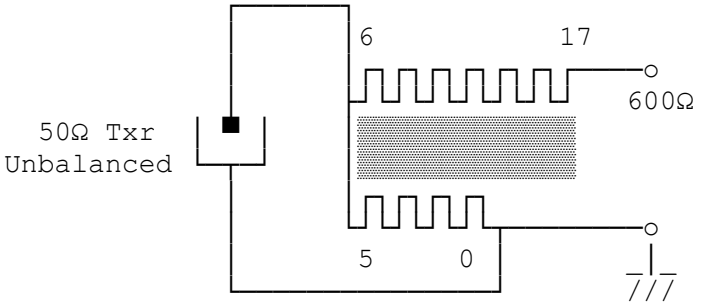
e.g. 5 turns for 50Ω, 10 turns for 200Ω Balanced.



Make sure they are phase & connected correctly.

In general a transformer turns ratio is square root of the Z/Z.
So for 600Ω to 50Ω that is √600/50 = √12 = 3.46 or 2:7 3:11 4:14 5:17 turns etc.

An autotransformer tapped system where the lower turn is a tapping of the total also the lower turns should be 2x thicker!



Why Don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP