

Subject: Coax Sleeve Balun

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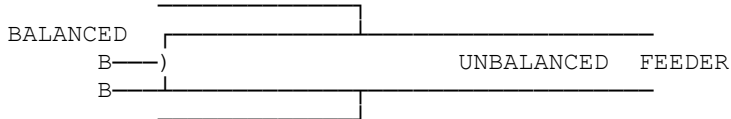
To : TECH@WW

By G8MNY

(Updated Dec 04)

This type of balun is to be found in most textbooks & many aerial designs. It is a 1:1 balun & does not alter the impedance.

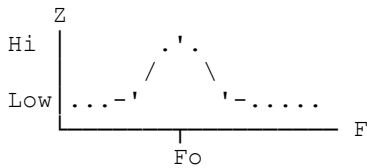
Balun is made from 1/4 wave lengths of scrap coax (longer needed to cover the fatter outer) braid or pipe over the top of the feeder. It is electrically connected to the coax braid 1/4 wave from the balanced feeder connections.



This works by hiding the unbalanced outer aerial connections from the outside world so it can't radiate.

In practice I recommend heatshrink sleeving & heat glue it used to seal the add outer section.

Common mode Z is only high at the resonant frequency, where it eliminates any outer feeder current on the unbalanced coax.



Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP
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