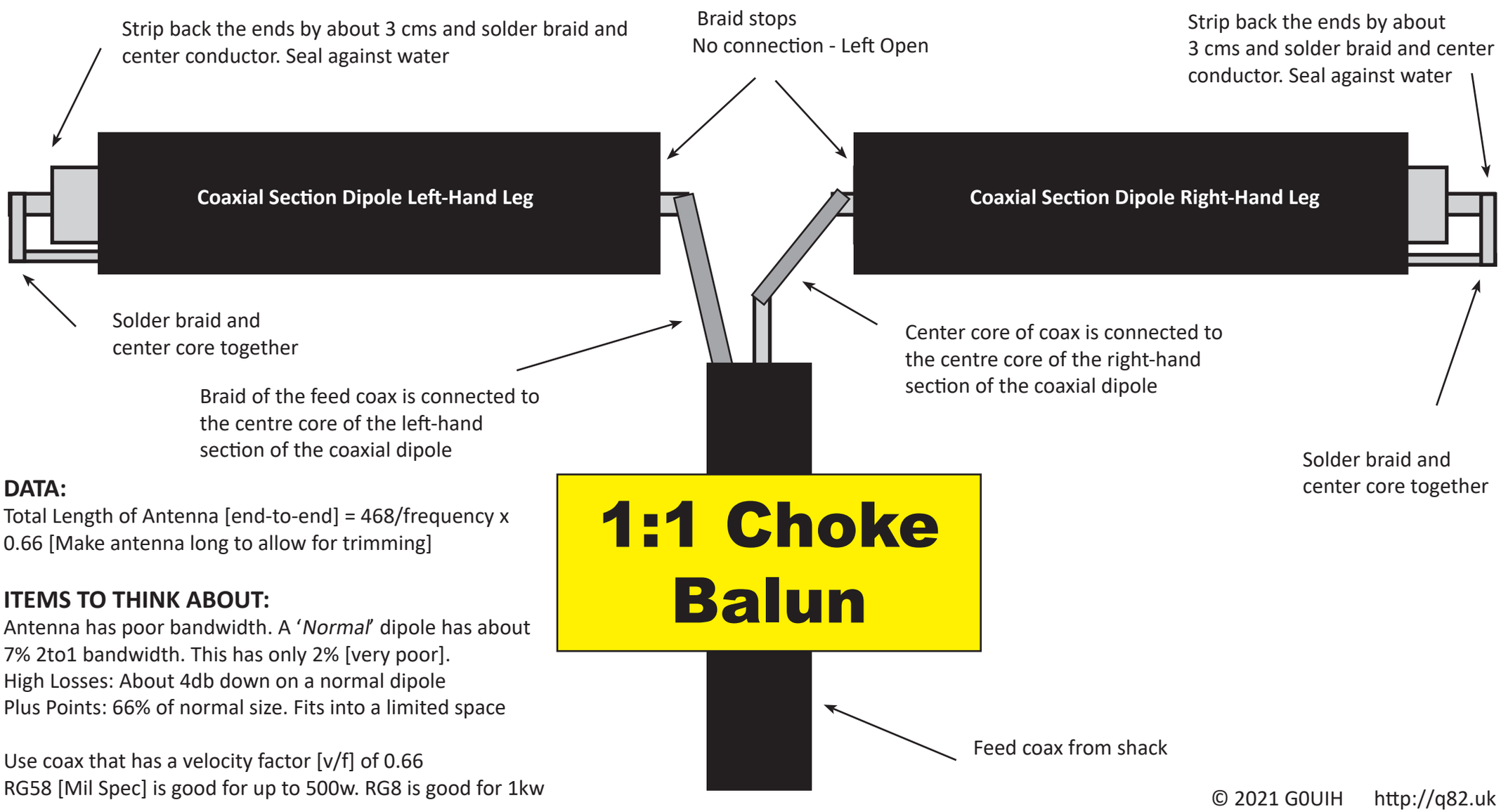
# Connection Wiring Diagram for a Coaxial Dipole




**DATA:**
Total Length of Antenna [end-to-end] = 468/frequency x 0.66 [Make antenna long to allow for trimming]

**ITEMS TO THINK ABOUT:**
Antenna has poor bandwidth. A '*Normal*' dipole has about 7% 2to1 bandwidth. This has only 2% [very poor].
High Losses: About 4db down on a normal dipole
Plus Points: 66% of normal size. Fits into a limited space

Use coax that has a velocity factor [v/f] of 0.66
RG58 [Mil Spec] is good for up to 500w. RG8 is good for 1kw

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