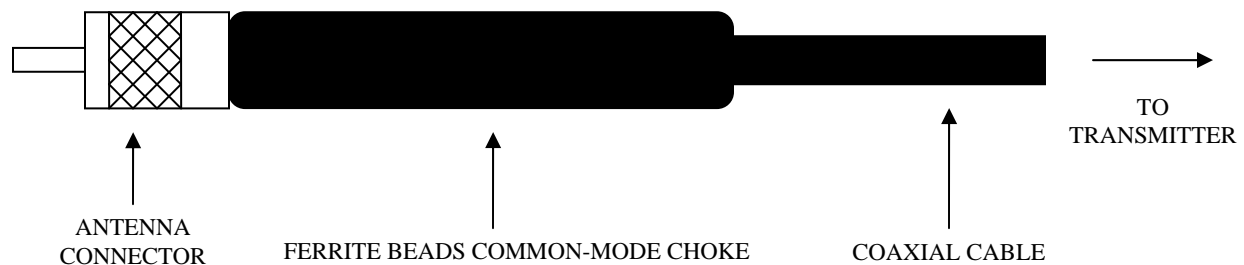


DECADE COAXIAL CABLES

Decade RG-8 and RG-58 coaxial cables use a special ferrite beads common-mode choke to prevent the radio wave reaching the antenna from using the cable shield as an antenna. Indeed, without this choke, the cable shield becomes part of the antenna ground plane and radiates some of the RF energy, which causes many problems :

- modification of the antenna impedance and increase in the standing wave ratio (SWR), which causes a power loss and can damage the transmitter;
- modification of the radiation pattern of the antenna and reduction of the coverage;
- the cable / antenna system is easily upset by the immediate environment;
- radiation by the cable shield can be dangerous to radio station operators (in case of high power transmission). It can also induce audible noise in the transmitted signal.

INSTRUCTIONS : connect the end of the cable equipped with the ferrite beads common-mode choke to the antenna and the regular end to the transmitter.



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