

Cable length vs. Wire Size

If antenna switch is situated outside the ham shack, it is necessary to replace the supplied cable with one of the appropriate length.

It is better (although not necessary) to use a shielded cable, using the shielding as the ground lead. When connecting micro DOUBLE SIX SWITCH, use two leads for ground, as it carries twice the current.

Connect one end of the cable to the terminals of antenna switch and solder the other end onto a DB25 connector from the original cable. Don't forget to use a ferrite bead with as many turns as possible. Even one turn (cable directly through the bead) helps.

Determine the required cable cross-section (or diameter) from the following table, depending on its length:

Cable length [m] / [ft]	Conductor Diameter [mm]	Conductor Cross-section [mm ²]	AWG
50 / 150	0.40	0.14	26
100 / 300	0.50	0.20	24
300 / 1000	0.80	0.50	20