

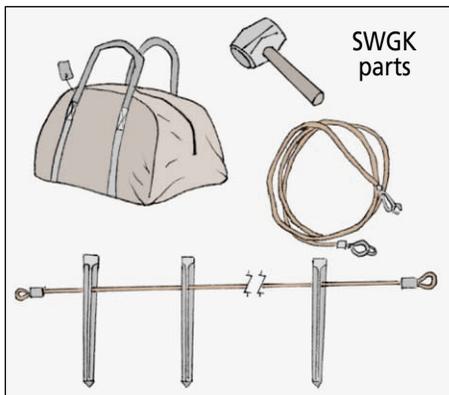
# When Should You Use It?



The surface wire grounding kit (SWGK) MK-2551A/U, NSN 5820-01-263-1760, is a good way to get an electrical ground in some situations, but not in others. The SWGK does not work well where the topsoil layer is very loose since it relies upon compression between the stakes, earth and cable to maintain electrical contact.

The SWGK has fifteen 10-in stakes that are driven into the ground in a circular pattern around the vehicle or moving shelter being grounded. The stakes are connected by 75 feet of steel cable.

The best grounds are those that use the 8-ft metal rod that can reach the water table. The next best is using a metal plate. Those are the types of grounds that you should think of using first.



First, if the system you are grounding needs to move and then set up again at a moment's notice. The SWGK is quickly installed and quickly removed. Driving fifteen 10-in stakes is often quicker and easier than driving a 8-ft rod into the ground and removing it without vehicular help, which bends the rod.



Second, when the ground is rock hard. Some places like desert areas and frozen tundra have ground so hard a jackhammer couldn't penetrate it. In those cases, the SWGK might be the way to go.



## BCS GDU ASIP W33A

The NSN for the 15-ft W33A cable that connects the SINGARS RT-1523E (ASIP) to the gun display unit (GDU) of the battery computer system (BCS), AN/GYK- 29, is NSN 5995-01-128-6425. The cable is part of the GDU equipment and is listed in the BCS TM, TM 11-7440-283-12-1 and -2 and GDU TM 11-7440-283-12-2.