TIMES MICROWAVE SYSTEMS

Engineered Products:

Bundled Cables

Grounding Kit

All outdoor antenna feeder runs should be grounded at their lowest point just prior to entering the base station or radio enclosure. Depending on the height of the tower run, additional ground points may be required (see table below)

Tower Height (TH)	Location of Additional Grounds*	Comments
<30 meters	No additional GKs re	quired
30-59 meters		additional GK
60-69 meters	TH/3 and (TH/3)(2) 2	additional GKs

These locations are referenced from the base of the tower

Times Microwave Systems has developed a unique, patented grounding fixture that is both economical and easy to install. This ground fixture effectively grounds all the individual cables in the bundle, while requiring only one bonding cable per fixture to be fastened to the tower.

Grounding

1) The outer conductors of individual cables must be grounded/bonded to an adequate ground.



2) All installations regardless of tower height (TH) should be grounded just prior to entering the equipment building or shelter. The cable should also be grounded at the tower base. The ground at the tower base and just prior to building entry should be as close to the ground plane as possible.



3) For towers greater than 30 meters high, additional grounding is required.



End Cap Kit





Times Microwave Systems offers weather seal break out End Caps for a number of the LMR bundled cables. These kits consist of a hard ABS plastic split shell with stainless steel screws, a silicone rubber split cushion and a silicone rubber gasket. The split cushion is formed over the inner cables and the shell is then positioned over the transition so that the end of the outer jacket of the cable is roughly in the middle of the shell. (see the bundled cable End Cap pictorial instructions at www.timesmicrowave.com)



