

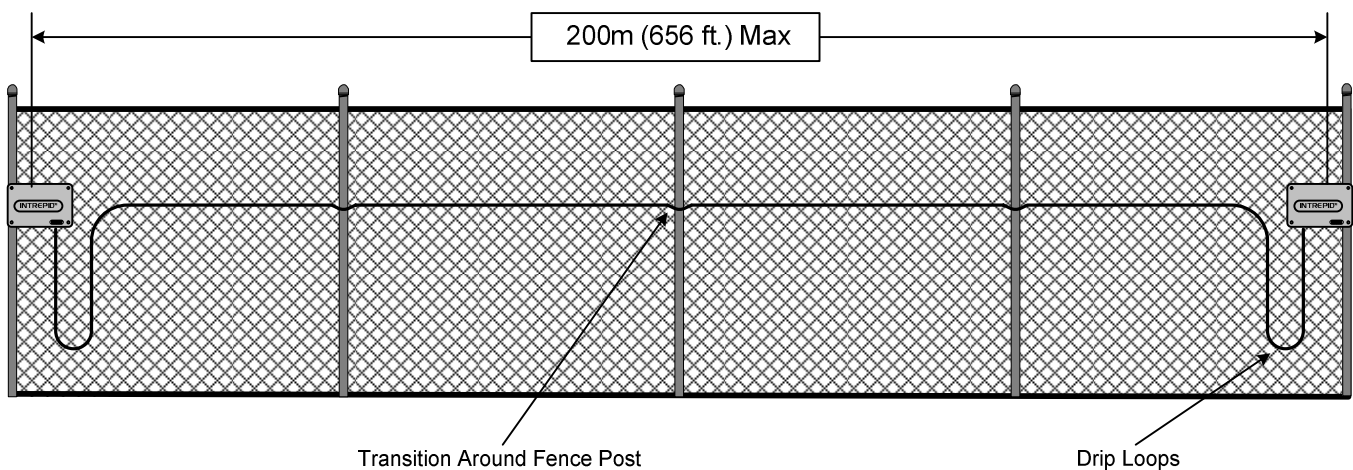
## TECHNICAL NOTE # 223A

**Re: MicroPoint™ Cable MC115-220 and MC315-220**

**Date: December 15, 2009**

The MicroPoint™ cable MC115 and MC315 have been extended from 200m (656 ft.) to 220m (722 ft.). The increased length allows for full utilization of the 190 Subcells available in the Site Manager Software used to configure the systems. With the original length of cable, only 181 Subcells could be used. 181 Subcells calculates to 200m (656 ft.) of cable. 190 Subcells calculates to 209m (686 ft.) of cable.

The increased length now allows for linear spacing of the MicroPoint™ modules (PM, LU, ILU and TU) at 200m (656 ft.) as shown in the figure below. This provides the capability of having two (2) 100m (328 ft.) fence detection zones per cable. This was not capable with the MC115-200 or the MC315-200. With drip loops and transitions around fence post, the distance was always shorter.



**NOTE:** *The cable will not provide detection beyond Subcell 190 (209m). If the full roll of cable, 220m (722 ft.) is installed on the fence and then the modules attached, detection will not be beyond the 190 Subcell locations or the 209m (686 ft) length so the system will have no detection for the last 11 meters (36 feet). **The remaining cable (11m) should be cut off to ensure proper operation. This cable can be used to repair damaged cable from cuts or physical damage with the use of Splice Units (SU).***

The MC115-220 and MC315-220 will also be used with the Next Generation of the INTREPID™ product line which will include the MicroPoint™ II system. This will allow for a single cable to be stocked for use by either system.