How to repair a Saw-Cut Loop that was not modified for Direct Burial use

BD Loops Saw-Cut loops are not designed to take the crushing pressure of direct burial applications. When a saw-cut loop is used in a direct burial application the yoke (black area where the loop meets the lead-in) may become crushed and damage the water tight seal. If you believe this has happened to a saw-cut loop that you installed in a direct burial application this is a potential fix that may prevent you from having to install a new loop. You will need to dig up or gain access to the yoke of your loop to use this fix. If you want to install a saw-cut loop in a direct burial application we recommend that you protect the area of the yoke using the Saw-Cut to Direct Burial Modification that can be downloaded at: http://www.bdloops.com/modifysc2db.pdf

You will need:
- A 10” long piece of 1” PVC plumbing pipe that has been cut open.
- Rubbing Alcohol & a clean rag.
- Plumbers Putty
- Fast curing Polyurethane Potting Mix. (Such as Chemque’s 295M)
- 1” piece of wooden rod to hold the loop wires apart.

Step 1:
Cut off the white cable tie that is next to the yoke.

Step 2:
Lay the yoke next to the cut pipe. Thoroughly clean the yoke and 1 1/2” wires on each side of the yoke with rubbing alcohol.

Step 3:
Place the cleaned yoke into the pipe.

Place the wood rod between the loop wires. This will allow the potting mix to easily get between the loop wires and fully seal the yoke.
Step 4:
Using Plumber’s Putty seal both ends of the pipe so that the potting mix will stay in place.

(Pipe has been sealed on both ends.)

Step 5:
Fill the pipe with the potting mix. This should harden/cure in 15-20 minutes.

Be sure the mixture that comes out of the mixing tip is gray (mixed well).

This modification is required to repair the yoke-area of a saw-cut loop in a direct burial application. To demonstrate the effectiveness of this modification we tested a sample in water for over 24 hours.

BD Loops’ Direct Burial Loops are built with the yoke encased inside of durable PVC that can withstand crushing pressures.