Direct Burial Installation Instructions*

Preformed direct burial installation tips and directions

For all saw-cut applications use BD Loops preformed 3/16” saw-cut loop.

<table>
<thead>
<tr>
<th>Installation in Concrete</th>
<th>Installation Under Asphalt</th>
<th>Installation in Gravel Road</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Reverse side of this page. (Pictures included)</td>
<td>Position and shape the loop on sub-base. Be sure to use the correct loop size.*</td>
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</tr>
<tr>
<td>If the sub-base is concrete or a slurry do not use this loop. Saw-Cut in a loop instead.</td>
<td>Pull lead-in through 1/2” schedule 40 or 80 rigid PVC. Glue all PVC Joints. If you have a gopher problem lead-in can be run in metallic conduit.</td>
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<td>Dig a 2” wide by 3-4” deep trench in the pattern of the loop and lead-in. (See Figure 1)</td>
<td>Dig a 2” wide by 3-4” deep trench in the size and place of the loop footprint and lead-in.</td>
<td>Dig a 7” to 10” deep trench in the size and place of the loop footprint and lead-in.</td>
</tr>
<tr>
<td>Fill Trench with one inch of sand.</td>
<td>Fill the trench with one inch of sand base.</td>
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<tr>
<td>Place loop in trench and run lead-in through 1/2” schedule 40 or 80 rigid PVC. Glue all PVC joints. If you have a gopher problem lead-in can be run in metallic conduit.</td>
<td>Lay the loop and lead-in run in the trench on top of sand base and use supplied ground stakes to secure the loop corners.</td>
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<tr>
<td>Cover loop and lead-in PVC run with 2½” of sand.</td>
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<tr>
<td>Loop should be encased in sand.</td>
<td>BD Loops cannot come in direct contact with hot asphalt. Call BD Loops for any questions and to find a solution.</td>
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Harness Wire: Solder all connections

Basic loop layout guidelines to follow

Reverse and Exit Loops
- 4ft from the gate/door.
- Swing gates require 4ft from its complete open and closed position.
- 2ft from each curb.
- 4ft from every other loop.

Plug/Screw Connectors: Tint all connections

Shadow loops
- Loop lies under the swing path.
- 3-4ft from the gates in its complete open and closed position.
- 0-2ft from the curb. (Single Swing Gate)

Detection height is determined by approximately 2/3 of the short leg of the loop. Residential 4ft short leg (Detection of standard size vehicles only). Commercial 6ft short leg (Detect higher bed vehicles).

*Check BDLoops.com for the latest installation instructions

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Installing **BD Loops** in Concrete Over Rebar

When installing **BD Loops** over rebar make sure to follow these simple instructions:

- Determine loop position and lay loop on top of rebar (never below).
- Offset the loop from the rebar pattern (see picture below) then use supplied cable ties to secure loop in place.
- Always run the lead-in underneath the rebar. (see picture below)
- Run the lead-in 6-8” under the concrete form.
- Run the lead-in in conduit (Schedule 40 or 80 recommended) making sure to glue all PVC joints.
- If you have a gopher problem lead-in can be run in metallic conduit.

In the picture to the right notice how the “Correct” loop is offset from the rebar pattern. The loop is coming in contact with the rebar as little as possible.

**Instrucciones ESPAÑOL**

Scan this or visit: www.bdloops.com/bdloops_downloadsB.html