Direct Burial Loops

About Direct Burial Loops

Used for installations under concrete, asphalt, pavers, or in gravel roads. The most common installation is the loop tied directly to the rebar before concrete is poured. Wire is designed for a direct burial application.

Unlike loops wrapped through PVC, our direct burial loops do not have an air pocket. This results in fewer service calls due to phantom detections caused by ground vibration.



Our direct burial loops are built with Solid 16AWG to create a tough rigid product that won't fall below the rebar pattern. Installation over rebar is easy - Simply offset the loop from the rebar pattern and tie it down with the supplied cable ties.

The loop wire features arrows indicating the direction of current, and the lead-in is red/black, allowing for an easy understanding of phasing.

Say goodbye to untangling lead-in wires. Our twisted jacketed lead-in prevents the "coil back" commonly found in normal twisted lead-in.

Each direct burial loop includes an installation kit with easy to follow instructions, cable ties, ground stakes and stickers for easy identification after the loops have been installed.

Installation Tips

- Offset the direct burial loop from the rebar pattern.
- Always run the lead-in through conduit and glue the joint with a proper PVC solvent cement.
- Run the lead-in in conduit underneath the rebar in a concrete pour.
- Remove any ground stakes before burying the loop in a gravel or dirt road.
- Fully encase the loop in sand when installing under pavers, or in a gravel road.
- Residential applications recommend a 4' short leg of the loop.
- Commercial application recommend a 6' short leg of the loop.

Are you installing a loop under pavers?

If the sub-base is concrete or a slurry **DO NOT** use a direct burial loop. Use a saw-cut Loop instead. Sandwiching wire between two hard surfaces will cause the loop to eventually fail.