## **Preformed Direct Burial Loop**

### Description

BD Loops Preformed Direct Burial Inductance Loops are a complete loop with a set size loop and length of lead-in run. Our Direct Burial Loops have an extra layer of protection: a durable outer jacket that protects and tightly binds the inner conductors. All BD Loops are made with 16 AWG copper wire and rated for direct burial use.

#### Uses

Used for direct burial applications such as in concrete pours, asphalt paving, gravel roads, dirt roads, or under pavers.

### **Superior Features**

- Extra layer of protection—Thick and durable outer jacket protects both loop and lead-in.
- Each loop is tested 3 ways before it leaves the factory.
- Lead-in wires are tightly bound in an protective outer jacket. Eliminating the need for twisting.
- Flex Yoke Design with 1/2" coupler to accept PVC conduit for protecting the lead-in run.



- The loop section is built with Solid 16AWG copper wire which makes it rigid and easy to form. In a concrete pour it won't fall below the rebar pattern.
- Unlike loops wrapped through PVC conduit, BD Loops Direct Burial Loops do not have an air pocket resulting in fewer repeat service calls due to phantom detections caused by ground vibration.
- Every direct burial loop comes with zip ties for installation and loop function labels to label the lead-in wires for easy identification after installation..

## **Technical Specs**

| Wire Gauge 16 AWG Copper          |  |  |  |  |
|-----------------------------------|--|--|--|--|
| # of Turns                        | 2-4 (Depends on loop and lead-in size) |  |  |  |
| Outer Jacket Material             | Doped PVC                              |  |  |  |
| Insulation Material               | al PE                                  |  |  |  |
| Temperature Rating 75° C (167° F) |  |  |  |  |
| Wire Voltage Rating               | 600V                                   |  |  |  |
| Rated for Direct Burial Use       |  |  |  |  |

Product is a fully formed loop with a set size loop section and set length of lead-in. No assembly required.

See next page for a list of standard size loops and part numbers.

#### How to read BD-Loops Part Numbers Example:

Type of Loop

RL or EL = Direct Burial

SC = Saw-Cut

Lead-in Length (ft)
Loop Size Perimeter (ft)

In this example 24' (4x8' or 6x6').

#### Installation

Visit BDLoops.com to download our latest installation instructions.

This product is not designed for saw-cut applications, if you are cutting a loop into a hard surface use a BD Loops Preformed Saw-Cut Loop instead.

## **Packaging**

See reverse side for standard loop sizes and part numbers.

# **Preformed Direct Burial Loop**

### **BD Loops Direct Burial Loop Sizes**

The standard size loops listed in the chart below are available for same day shipping if BD Loops receives a PO from a distributor by 3:30 pm PST. Custom size loops are available and can ship same day if the PO is received by 12:00 pm PST.

# **BD Loops** Preformed Direct Burial Loop Size Chart

| Residential Vehicle   | _                   |                       |                     |                       |                 |
|---|---------------------|-----------------------|---------------------|-----------------------|-----------------|
| 14 Foot Loop   3x4ft  |                     | Residential Vehicle   | Commercial Vehicle  | Lead-In               | <b>BD</b> Loops |
| 14 Foot Loop   3x4ft  | Loop Size           | Application           | Application         | Length                | Part Number     |
| N/A   60'   EL 14-60  | 14 Foot Loop        | Drive Thru Lane /     |                     | 40'                   | RL 14-40        |
| 16 Foot Loop   3x5ft or 4x4ft   Driveway Width   N/A   60'   EL 16-60   |                     |                       |                     | 60'                   | EL 14-60        |
| N/A   | 3x4ft               | Faiking               |                     |                       |                 |
| 3x5ft or 4x4ft  | <b>16</b> Foot Loop | 8-10ft                | N/A                 |                       |                 |
| 18 Foot Loop         9-10ft         N/A         40′ RL 18-40           3x6ft or 4x5ft         Driveway Width         40′ RL 20-40           20 Foot Loop         10-11ft         N/A         60′ EL 20-60           3x7ft or 4x6ft         Driveway Width         40′ RL 24-40         60′ EL 20-60           24 Foot Loop         4x8ft loop pattern         6x6ft loop pattern         40′ RL 24-40         60′ EL 24-60           4x8ft or 6x6ft         12ft Driveway Width         10ft Driveway Width         100′ EL 24-100         60′ EL 24-60         100′ EL 24-100           28 Foot Loop         4x10ft loop pattern         12ft Driveway Width         12ft Driveway Width         60′ EL 28-60         100′ EL 28-100         100′ EL 28-100         100′ EL 32-100         100′ EL 36-60         100′ EL 36-60         100′ EL 36-100         100′ EL 40-100         100′ EL 40-100         100′ EL 40-100         100′ EL 40-100         100′ EL 44-40         100′ EL 44-40         100′ EL 44-60         100′ | 2vEft or 4v4ft      |                       |                     | 60'                   | EL 16-60        |
| 3x6ft or 4x5ft  | 3x311 01 4x411      |                       |                     | 101                   |                 |
| 3x6ft or 4x5ft  | <b>18</b> Foot Loop | 9-10ft                | N/A                 |                       |                 |
| 20 Foot Loop   10-11ft   Driveway Width   N/A   60'   EL 20-60  | 3y6ft or 4y5ft      | Driveway Width        |                     | 60′                   | EL 18-60        |
| 10-11ft   | 3,011 01 4,311      | ,                     |                     | 40/                   | DI 20 40        |
| 3x7ft or 4x6ft         Driveway Width         4x8ft loop pattern         4x8ft loop pattern         40' RL 24-40           4x8ft or 6x6ft         4x8ft loop pattern         10ft Driveway Width         60' EL 24-60           28 Foot Loop         4x10ft loop pattern         6x8ft loop pattern         60' EL 28-60           4x10ft or 6x8ft         4x10ft loop pattern         12ft Driveway Width         60' EL 28-60           32 Foot Loop         4x12ft loop pattern         6x10ft loop pattern         40' RL 32-40           4x12ft or 6x10ft         6x10ft Driveway Width         60' EL 32-60           36 Foot Loop         40' RL 36-40         60' EL 36-60           6x12ft         16ft Driveway Width         60' EL 36-60           40' RL 36-40         60' EL 36-60         100' EL 36-100           44 Foot Loop         20ft Driveway Width         60' EL 44-60           6x16ft         20ft Driveway Width         60' EL 44-60   | <b>20</b> Foot Loop | 10-11ft               | N/A                 |                       |                 |
| 24 Foot Loop       4x8ft loop pattern       6x6ft loop pattern       40' RL 24-40         4x8ft or 6x6ft       12ft Driveway Width       60' EL 24-60         28 Foot Loop       4x10ft loop pattern       6x8ft loop pattern         4x10ft or 6x8ft       14ft Driveway Width       60' EL 28-60         32 Foot Loop       4x12ft loop pattern       12ft Driveway Width       40' RL 32-40         4x12ft or 6x10ft       6x10ft loop pattern       60' EL 32-60         14ft Driveway Width       14ft Driveway Width       100' EL 32-100         36 Foot Loop       40' RL 36-40       60' EL 36-60         6x12ft       16ft Driveway Width       60' EL 36-60         100' EL 36-100       100' EL 36-100         44 Foot Loop       20ft Driveway Width       40' RL 44-40         60' EL 44-60       100' EL 44-100  | 3x7ft or 4x6ft      | Driveway Width        |                     | 60                    | EL 20-60        |
| 4x8ft loop pattern       4x8ft loop pattern         4x8ft or 6x6ft       12ft Driveway Width       60' EL 24-60         28 Foot Loop       4x10ft loop pattern       6x8ft loop pattern         4x10ft or 6x8ft       14ft Driveway Width       6x8ft loop pattern         12ft Driveway Width       100' EL 28-60         32 Foot Loop       4x12ft loop pattern       6x10ft loop pattern         4x12ft or 6x10ft       16ft Driveway Width       60' EL 32-60         36 Foot Loop       40' RL 36-40         6x12ft       60' EL 36-60         40' RL 36-40       60' EL 36-60         100' EL 36-100       60' EL 40-60         44 Foot Loop       20ft Driveway Width       60' EL 44-60         60' EL 44-100       60' EL 44-100   |                     |                       |                     | 40'                   | PI 24-40        |
| 4x8ft or 6x6ft         12ft Driveway Width         10ft Driveway Width         100′         EL 24-100           28 Foot Loop<br>4x10ft or 6x8ft         4x10ft loop pattern<br>14ft Driveway Width         6x8ft loop pattern<br>12ft Driveway Width         60′         EL 28-60           32 Foot Loop<br>4x12ft loop pattern<br>4x12ft or 6x10ft         6x10ft loop pattern<br>14ft Driveway Width         60′         EL 32-60           36 Foot Loop<br>6x12ft         16ft Driveway Width         100′         EL 32-60           40′         RL 32-40         60′         EL 32-60           100′         EL 32-100         40′         RL 36-40           60′         EL 36-60         100′         EL 36-60           100′         EL 36-60         100′         EL 40-60           44 Foot Loop<br>6x16ft         20ft Driveway Width         60′         EL 40-60           100′         EL 44-60         100′         EL 44-60   | 24 Foot Loop        | 4x8ft loop pattern    | 6x6ft loop pattern  |                       |                 |
| 28 Foot Loop         4x10ft loop pattern         6x8ft loop pattern           4x10ft or 6x8ft         14ft Driveway Width         60'         EL 28-60           32 Foot Loop         4x12ft loop pattern         6x10ft loop pattern         40'         RL 32-40           4x12ft or 6x10ft         16ft Driveway Width         100'         EL 32-60           36 Foot Loop         40'         RL 32-100           6x12ft         16ft Driveway Width         60'         EL 36-60           100'         EL 36-60         100'         EL 40-60           44 Foot Loop         20ft Driveway Width         60'         EL 40-60           40'         RL 44-40         60'         EL 44-60           100'         EL 44-60         100'         EL 44-100   | 4x8ft or 6x6ft      | t 12ft Driveway Width | 10ft Driveway Width |                       |                 |
| 4x10ft or 6x8ft       14ft Driveway Width       12ft Driveway Width       60° EL 28-60         32 Foot Loop       4x12ft loop pattern       6x10ft loop pattern       40° RL 32-40         4x12ft or 6x10ft       16ft Driveway Width       60° EL 32-60         36 Foot Loop       14ft Driveway Width       100° EL 32-100         40 Foot Loop       40° RL 36-40         60° EL 32-60       100° EL 36-60         100° EL 36-100       100° EL 40-100         44 Foot Loop       20ft Driveway Width       60° EL 44-60         60° EL 44-60       100° EL 44-100   | 20.5                | 4.400.1               |                     |                       |                 |
| 32 Foot Loop 4x12ft loop pattern 16ft Driveway Width  36 Foot Loop 6x12ft  40' RL 32-40 60' EL 32-60 100' EL 32-100  40' RL 36-40 100' EL 36-60 100' EL 36-60 100' EL 36-60 100' EL 36-100  48 Foot Loop 6x14ft  49 Foot Loop 16ft Driveway Width 100' EL 36-100  40 Foot Loop 6x14ft  40 Foot Loop 12 Ft Jan-100 100' EL 40-100 100' EL 40-100 100' EL 44-40 100' EL 44-40 100' EL 44-40 100' EL 44-60 100' EL 44-100  |                     |                       |                     | 60'                   | EL 28-60        |
| 4x12ft loop pattern 4x12ft or 6x10ft  16ft Driveway Width  14ft Driveway Width  100' EL 32-100  40' RL 36-40  100' EL 36-60  100' EL 36-100  40 Foot Loop 6x14ft  44 Foot Loop 6x16ft  20ft Driveway Width 60' EL 40-60  100' EL 40-100  40' RL 44-40  100' EL 40-100  40' RL 44-40  100' EL 44-100   | 4x10ft or 6x8ft     | 14ft Driveway Width   |                     | 100′                  | EL 28-100       |
| 4x12ft or 6x10ft  | <b>32</b> Foot Loop | Av12ft loop nattern   |                     | 40'                   | RL 32-40        |
| 36 Foot Loop 6x12ft  40' RL 36-40 60' EL 36-60 100' EL 36-100  40 Foot Loop 6x14ft  41 Foot Loop 6x16ft  20ft Driveway Width 60' EL 40-60 100' EL 40-100 40' RL 44-40 100' EL 40-100 40' RL 44-40 100' EL 44-100  |                     |                       |                     | 60′                   |                 |
| 16ft Driveway Width 60′ EL 36-60 100′ EL 36-100  40 Foot Loop 6x14ft 18ft Driveway Width 60′ EL 40-60 100′ EL 40-100 44 Foot Loop 6x16ft 20ft Driveway Width 60′ EL 44-60 100′ EL 44-100  | 4x12ft or 6x10ft    | Toll Driveway Width   |                     | 100′                  |                 |
| 6x12ft  40 Foot Loop 6x14ft  44 Foot Loop 6x16ft  20ft Driveway Width 100′ EL 40-60 100′ EL 40-100 40′ RL 44-40 60′ EL 44-60 100′ EL 44-60  | <b>36</b> Foot Loop |                       | 16ft Driveway Width | 113,000               |                 |
| 40 Foot Loop 6x14ft  44 Foot Loop 6x16ft  20ft Driveway Width 60′ EL 40-60 100′ EL 40-100 40′ RL 44-40 60′ EL 44-60 100′ EL 44-60   | Cv12ft              |                       |                     |                       |                 |
| 18ft Driveway Width 60′ EL 40-60 100′ EL 40-100 44 Foot Loop 6x16ft 20ft Driveway Width 60′ EL 44-60 100′ EL 44-100   | DXIZIL              |                       |                     | 100′                  | EL 36-100       |
| 6x14ft  | ·                   |                       | 18ft Driveway Width | COL                   | 40 CO           |
| 44 Foot Loop 6x16ft  20ft Driveway Width 60′ EL 44-40 100′ EL 44-100  |                     |                       |                     |                       |                 |
| 20ft Driveway Width 60′ EL 44-60<br>100′ EL 44-100  |                     |                       |                     | And the second second |                 |
| 6x16ft 100' EL 44-100   | 44 Foot Loop        |                       | 20ft Driveway Width |                       |                 |
| 10/ 8/50 10   | 6x16ft              |                       |                     |                       |                 |
| 1 3/ FOOL LOOK 1  | F2 Feet Les         |                       |                     |                       |                 |
| 32 TOOL LOOP  | <b>52</b> FOOT LOOP |                       | 24ft Driveway Width |                       |                 |
| 6x20ft 100' EL 52-100   | 6x20ft              |                       | = = =               |                       |                 |

### **Maintenance**

BD Loops preformed loops are a no maintenance vehicle detection solution.

### **Testing**

If you suspect an issue with an inductance loop test it with a Megohmmeter.

Megohmmeters are insulation testers. They are the only meter that can test for the most common loop issue: a nick in the insulation causing the loop to short to ground. For detailed instructions on how to test a loop with a megohmmeter visit BDLoops.com

## **Storage**

BD Loops preformed loops do not expire/ have a shelf life.

We recommend storing unused preformed loops inside a box or bin indoors to keep them clean.

### **Questions?**

BD Loops is here for you. We have a 24 Hour tech support line. Give us a call at: 714-723-0946.