

Loop Sizes and Loop Characteristics

| Loop size Length | Loop size width | Inductance | Turns | Detection Height Feet |
|------------------|-----------------|------------|-------|-----------------------|
| 2 (0.61m) | 2 (0.61m) | 60 | 5 | 1.6 (0.488m) |
| 2 (0.61m) | 4 (1.22m) | 60 | 4 | 1.6 (0.488m) |
| 2 (0.61m) | 6 (1.83m) | 80 | 4 | 1.6 (0.488m) |
| 2 (0.61m) | 8 (2.44m) | 60 | 3 | 1.6 (0.488m) |
| 2 (0.61m) | 10 (3.05m) | 72 | 3 | 1.6 (0.488m) |
| 2 (0.61m) | 12 (3.66m) | 84 | 3 | 1.6 (0.488m) |
| 2 (0.61m) | 14 (4.27m) | 96 | 3 | 1.6 (0.488m) |
| 2 (0.61m) | 16 (4.88m) | 108 | 3 | 1.6 (0.488m) |
| 2 (0.61m) | 18 (5.49m) | 120 | 3 | 1.6 (0.488m) |
| 2 (0.61m) | 20 (6.10m) | 132 | 3 | 1.6 (0.488m) |
| | | | | |
| 4 (1.22m) | 4 (1.22m) | 80 | 4 | 3.2 (0.975m) |
| 4 (1.22m) | 6 (1.83m) | 100 | 4 | 3.2 (0.975m) |
| 4 (1.22m) | 8 (2.44m) | 72 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 10 (3.05m) | 84 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 12 (3.66m) | 96 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 14 (4.27m) | 108 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 16 (4.88m) | 120 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 18 (5.49m) | 132 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 20 (6.10m) | 144 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 22 (6.71m) | 156 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 24 (7.32m) | 168 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 26 (7.93m) | 180 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 28 (8.54m) | 192 | 3 | 3.2 (0.975m) |
| 4 (1.22m) | 30 (9.14m) | 102 | 2 | 3.2 (0.975m) |
| 4 (1.22m) | 32 (9.75m) | 108 | 2 | 3.2 (0.975m) |
| 4 (1.22m) | 33 (10.06m) | 111 | 2 | 3.2 (0.975m) |
| 4 (1.22m) | 34 (10.36m) | 114 | 2 | 3.2 (0.975m) |
| 4 (1.22m) | 36 (10.97m) | 120 | 2 | 3.2 (0.975m) |
| 4 (1.22m) | 38 (11.58m) | 126 | 2 | 3.2 (0.975m) |
| 4 (1.22m) | 40 (12.20m) | 132 | 2 | 3.2 (0.975m) |

All the figures are approximate, actual results may vary

Serial resistance: Between leads is to be less than 5 Ohms

Leakage to ground : Between one lead wire and the ground should be more than 10 mega ohm at 500 VDC for one minute. Use DI 6200 insulation tester or equivalent. (older loops may be to 1 mega ohm)

Lead wires should be twisted at least 6 turns per foot (0.305m)

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| Loop size Length | Loop size width | Inductance | Turns | Detection Height Feet |
|------------------|-----------------|------------|-------|-----------------------|
| 6 (1.83m) | 6 (1.83m) | 120 | 4 | 4.8 (1.463m) |
| 6 (1.83m) | 8 (2.44m) | 84 | 3 | 4.8 (1.463m) |
| 6 (1.83m) | 10 (3.05m) | 96 | 3 | 4.8 (1.463m) |
| 6 (1.83m) | 12 (3.66m) | 108 | 3 | 4.8 (1.463m) |
| 6 (1.83m) | 14 (4.27m) | 120 | 3 | 4.8 (1.463m) |
| 6 (1.83m) | 16 (4.88m) | 132 | 3 | 4.8 (1.463m) |
| 6 (1.83m) | 18 (5.49m) | 144 | 3 | 4.8 (1.463m) |
| 6 (1.83m) | 20 (6.10m) | 78 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 22 (6.71m) | 84 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 24 (7.32m) | 90 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 26 (7.93m) | 96 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 28 (8.54m) | 102 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 30 (9.14m) | 108 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 32 (9.75m) | 114 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 33 (10.06m) | 117 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 34 (10.36m) | 120 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 36 (10.97m) | 126 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 38 (11.58m) | 132 | 2 | 4.8 (1.463m) |
| 6 (1.83m) | 40 (12.20m) | 138 | 2 | 4.8 (1.463m) |
| 8 (2.44m) | 4 (1.22m) | 120 | 4 | 3.2 (0.975m) |
| 8 (2.44m) | 6 (1.83m) | 140 | 4 | 4.8 (1.463m) |
| 8 (2.44m) | 8 (2.44m) | 96 | 3 | 5.6 (1.71m) |
| 8 (2.44m) | 10 (3.05m) | 108 | 3 | 5.6 (1.71m) |
| 8 (2.44m) | 12 (3.66m) | 120 | 3 | 5.6 (1.71m) |
| 8 (2.44m) | 14 (4.27m) | 132 | 3 | 5.6 (1.71m) |
| 8 (2.44m) | 16 (4.88m) | 144 | 3 | 5.6 (1.71m) |
| 8 (2.44m) | 18 (5.49m) | 78 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 20 (6.10m) | 84 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 22 (6.71m) | 90 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 24 (7.32m) | 96 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 26 (7.93m) | 102 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 28 (8.54m) | 108 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 30 (9.14m) | 114 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 32 (9.75m) | 120 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 33 (10.06m) | 123 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 34 (10.36m) | 126 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 36 (10.97m) | 132 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 38 (11.58m) | 138 | 2 | 5.6 (1.71m) |
| 8 (2.44m) | 40 (12.20m) | 144 | 2 | 5.6 (1.71m) |