



SERVICE READY KIT

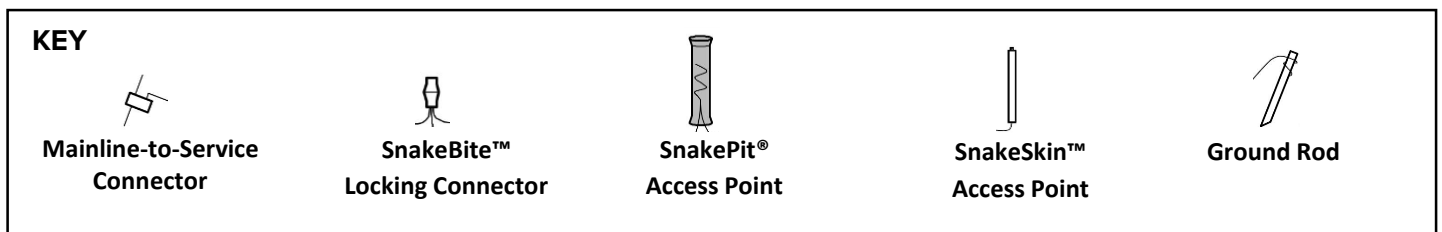
COMPLETE UTILITY LOCATING SYSTEM™

INSTALLATION INSTRUCTIONS

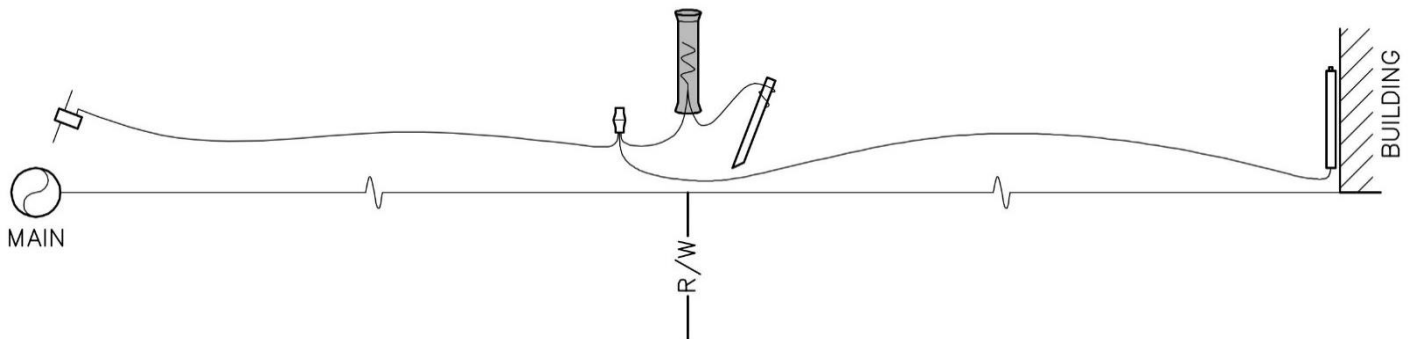
The Service Ready Kit contains all of the components needed to install Copperhead's Complete Utility Locating System from the mainline to the edge of right-of-way to a building.

KIT CONTENTS

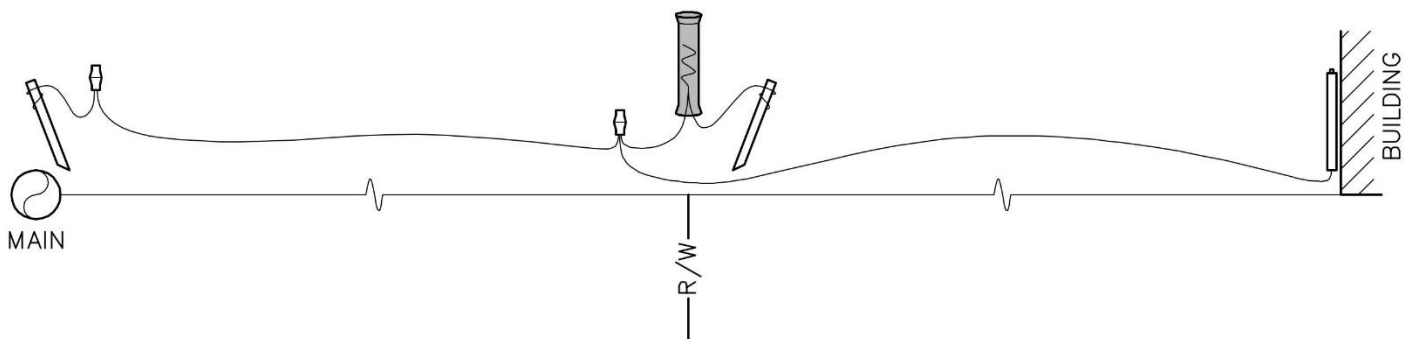
- (100') 12-AWG SuperFlex™ Tracer Wire
- (1) Mainline-to-Service Connector
- (2) 12-AWG SnakeBite™ Locking Connectors
- (2) 12-AWG Ground Rods
- (1) SnakePit® Lite Duty Access Point
- (1) SnakeSkin™ Access Point with Mounting Bracket



Mainline with Tracer Wire



Mainline without Tracer Wire



MAINLINE-TO-SERVICE CONNECTOR

Use to connect service lateral tracer wire to mainline tracer wire.

1. Strip mainline and service tracer wires 1/8"
 2. Place mainline tracer wire into open throat A
 3. Tighten set screw until contact is made with wire; after contact is made, tighten set screw 1/4 turn
 4. Place service tracer wire into hole B
 5. Tighten set screw until contact is made with wire; after contact is made, tighten set screw 1/4 turn
 6. Remove sealant cover and discard
 7. Close housing, aligning conductors until housing lid is fully latched
 8. Wipe excess sealant around wires
- Do not reuse.



SNAKEBITE™ LOCKING CONNECTOR

Use to connect up to three wires.

1. DO NOT strip jacket from wire
 2. Connector is gauge specific; Verify wire gauge matches connector gauge
 3. Insert wires into holes fully so they are visible in the clear cap
 4. Twist connector closed until locked
- To assist with strain relief, twist wires together approximately 8" from the connector.
Do not pull on wires after connection is made.



GROUND ROD

Use to ground tracer wire.

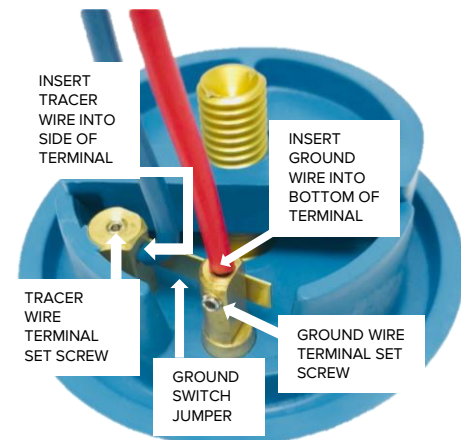
1. Drive into virgin soil at designated location (see diagram), at same depth as utility
2. Strip 1/2" of insulation from end of red ground wire
3. Connect stripped end of ground wire to SnakePit® Lite Duty Access Point or SnakeBite™ Locking Connector



SNAKEPIT® LITE DUTY ACCESS POINT

Use to protect and terminate tracer wire and ground wire at edge of right-of-way. Provides direct connection point for utility locate transmitter and ground rod.

1. Using a pentagon wrench, loosen pentagon head bolt and remove lid; set aside
2. Remove anti-corrosion gel pack and Allen wrench from base; set aside
3. Strip ends of tracer wire and ground rod wire 3/8" (tracer wire and ground rod sold separately)
4. Put 90° bend on stripped tracer wire end
5. Wrap a minimum of 1 foot of tracer wire and ground rod wire around outside of base to form spring-line shape; Remove wires from outside of base and guide inside the base from bottom, up
6. Apply anti-corrosion gel to stripped wires, terminals, and Ground Switch Jumper
7. Use 1/16 Allen wrench to slightly loosen Tracer Wire Terminal Set Screw; Insert stripped and gelled tracer wire into hole on side of Tracer Wire Terminal; Tighten Set Screw until firm contact is made with wire
8. Use 1/16 Allen wrench to slightly loosen Ground Wire Terminal Set Screw; Insert stripped and gelled ground wire into hole on bottom of Ground Wire Terminal; Tighten Set Screw until firm contact is made with wire
9. Replace lid; Tighten pentagon head bolt to secure lid to base
10. Ensure Ground Switch is turned completely to 'ON'
11. Bury SnakePit® Access Point at ground level, leaving lid exposed



SNAKESKIN™ ACCESS POINT

Use to protect and terminate tracer wire at building. Provides direct connection point for utility locate transmitter.

1. Strip tracer wire 3/4"
2. Slide tracer wire into poly tube
3. Slightly back out set screw from insert
4. Push stripped wire fully into aluminum insert
5. Use 1/16" Allen wrench; Firmly tighten set screw on tracer wire

