



SIGNALTAPE® INSTALLATION PROCEDURE

It is recommended that Signaltape damage prevention and marking system be buried 12 in (30 cm) or less below grade. The minimum distance from the top of the pipeline should be 12 in (30 cm), with 24 in (60 cm) – 36 in (90 cm) recommended as shown in figure 1.

Each run of Signaltape must be overlapped by a minimum of 20 ft (6 m) or must be joined as shown below where possible. Signaltape may also be installed with static or vibratory plow.

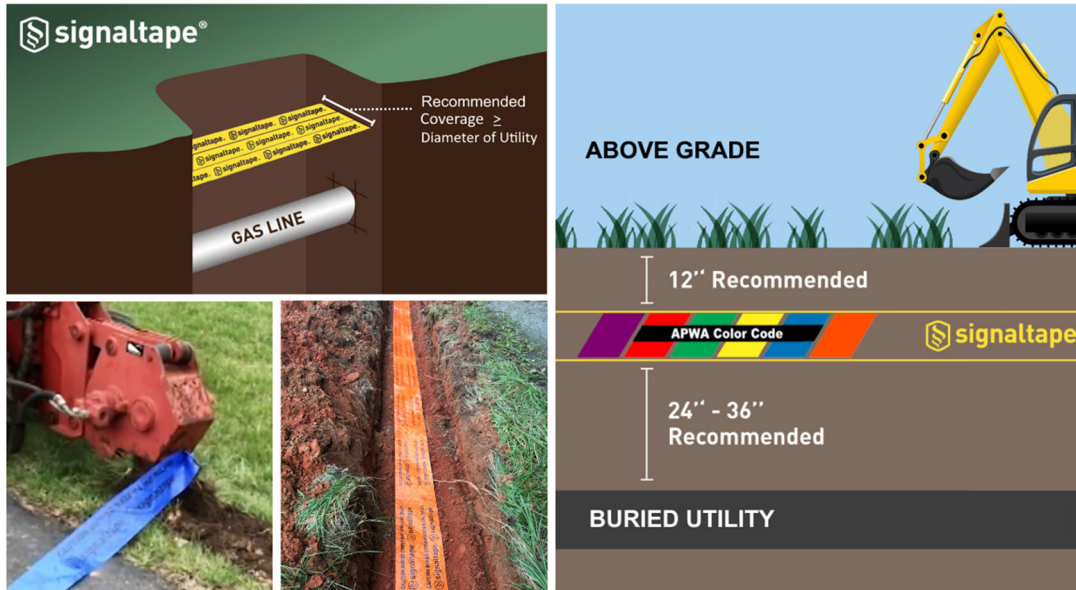


Figure 1 - Signaltape Installation

JOINING SIGNALTAPE

Each section of Signaltape should be joined end to end for repair of damage or installation, if not overlapped by 20 ft (6 m). Peel back the two layers of each end exposing the core material (figure 2), and tie together using a double fisherman's knot as shown in figure 3. If optionally detectable with inclusion of 14AWG PE (30) copper clad steel tracer wire (or other as specified), join using a direct bury connector with strain relief (unless otherwise specified by the engineer).

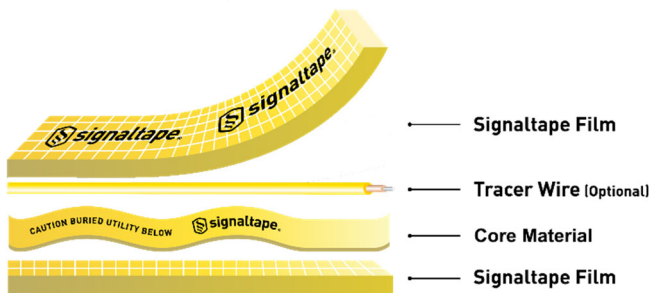


Figure 2 - Signaltape Construction

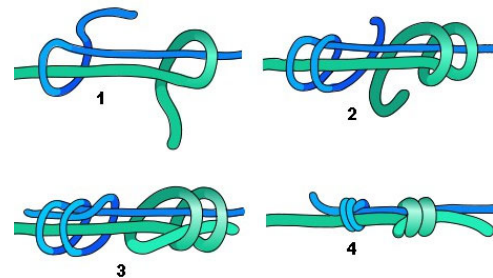


Figure 3 - Double Fisherman's Knot



IMPORTANT INFORMATION

PLEASE READ

ALWAYS DIAL 811 (OR EQUIVALENT UTILITY NOTIFICATION NUMBER) PRIOR TO DIGGING AND ENSURE THE ENTIRE PROJECT AREA HAS BEEN PROPERLY MARKED. THE USE OF SIGNALTAPE OR SMOKETAPE BRAND PRODUCTS IS NOT A SUBSTITUTE FOR NOTIFYING THE APPROPRIATE ORGANIZATION TO ENSURE PROPER UTILITY MARKING HAS BEEN PERFORMED PRIOR TO DIGGING.

SignalTape®, SmokeTape®, and Safety Made Simple™ are trademarks of Excavation Alert Systems, LLC.

Please read all instructions before beginning installation. The SignalTape and Smoketape brand protection systems installation guidelines are recommendations provided to help prevent any problems caused by improper installation. Proper installation of our products is an important factor in assuring that your buried infrastructure enjoys the optimum protection offered by our products. **Improper installation too deep subsurface** may cause improper operation of our product by inhibiting its ability to be drawn to the surface for visibility. There are many **details of buried infrastructure installations that are assumed to be general construction knowledge** to experienced installers, which are not included in these instructions. All statements, technical information, and recommendations related to our products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using any Excavation Alert System, LLC's product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to our product which are not contained in our current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by Excavation Alert Systems, LLC.

All buried infrastructure sought to be protected by SignalTape and SmokeTape systems **must be buried in accordance with governing regulations and the installation instructions provided.**

Recommended Tools: 1. Tape measure; 2. Pistol Grip Dispenser (set of 2); 3. Jonard Cutters; 4. Direct Bury Tracer Wire Connector with Strain Relief (as needed).

Conditional Limited Warranty: Excavation Alert Systems, LLC provides the following Conditional Limited Warranty for its SignalTape and SmokeTape brand products: When installed in accordance with Excavation Alert Systems, LLC's installation instructions, Excavation Alert Systems, LLC warrants SignalTape and SmokeTape brand products for a period of one (1) year from the date of purchase of the product, to be free from defects in material and manufacture, provided SignalTape and SmokeTape brand products are installed according to the installation instructions of Excavation Alert Systems, LLC. This warranty does not extend to any SignalTape and SmokeTape brand product that has been subjected to misuse, improper application, improper installation actions taken or not taken, improper site preparation, environmental conditions, or that has been repaired or altered by others. **EXCAVATION ALERT SYSTEMS, LLC MAKES NO OTHER WARRANTIES INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If any SignalTape and SmokeTape brand product is found to be defective within the warranty period, your exclusive remedy shall be, at Excavation Alert Systems, LLC's option, to repair or replace the SignalTape and SmokeTape brand product or refund the purchase price. Except where prohibited by law, Excavation Alert Systems, LLC will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from any Excavation Alert Systems, LLC product, regardless of the legal theory asserted.