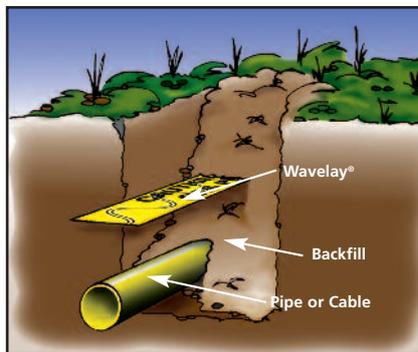


INSTALLATION INSTRUCTIONS

Wavelay® will provide a visual warning that a buried pipe, cable or other service is below. Wavelay® is traceable by means of two corrosion resistant stainless steel wires that are laminated in a sinusoidal pattern between a printed base layer a clear laminated layer of polyethylene.

Laying Wavelay®

It is recommended that the tape be buried halfway between the buried service and the surface of the earth. Unroll the Wavelay® onto the backfill in the trench ensuring that it is earthed at both ends. Join the wires of rolls or cut lengths using crimps.



Backfill the trench further to the surface. The mesh can easily be detected down to one metre. Please consult your locator supplier for further details of the exact depth your equipment can locate to.



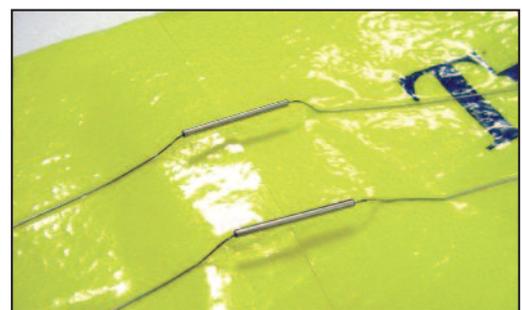
Joining the tape

It is essential that all joints in the Wavelay® are completed using joining crimps to enable a strong corrosion resistant connection. The crimping tool has serrated jaws to ensure a good connection and prolonged security. If the tapes wires are not connected correctly then the signal may not pass from roll to roll.

1. Peel back the clear laminate at one end to expose the wires.
2. Insert the crimp over the wires on one of the tape rolls. Push the wires right through so that about 5mm protrudes from the end.
3. Insert the wires from the other tape into the crimp.
4. Crimp the joint together using the crimping tool.
5. Check that you have a strong connection by pulling firmly on the two ends. If the wires come out, make the connection again.
6. The Wavelay® can now be laid and the trench back filled.



Crimping tool and stainless steel crimps.



Connection of the tape using the crimps. If the tape wires are not installed correctly then the signal may not pass from join to join.

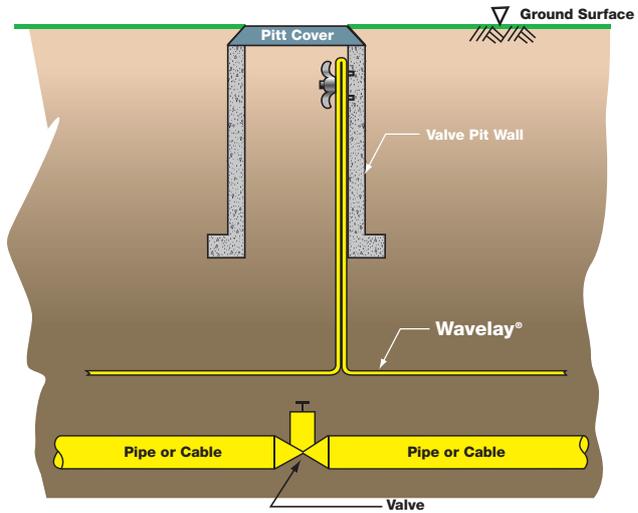
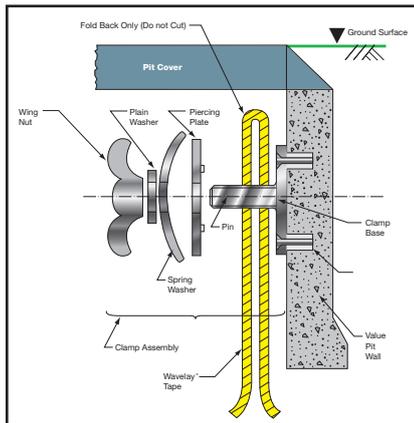
PRODUCT	PART NUMBER
Crimps (pack 100)	043347
Crimping Tool	043385
Access Clamp	036264

INSTALLATION INSTRUCTIONS

Access points for location

In order to be easily located by a Cable Avoidance Tool, the Wavelay[®] should be installed so that the start, end and various access points along the length of the installation are accessible for connection purposes. This can be achieved in various ways by bringing the tape to the surface or by clamping the tape to the side of an access chamber as shown. It is important that there is no break in the wires at any access point.

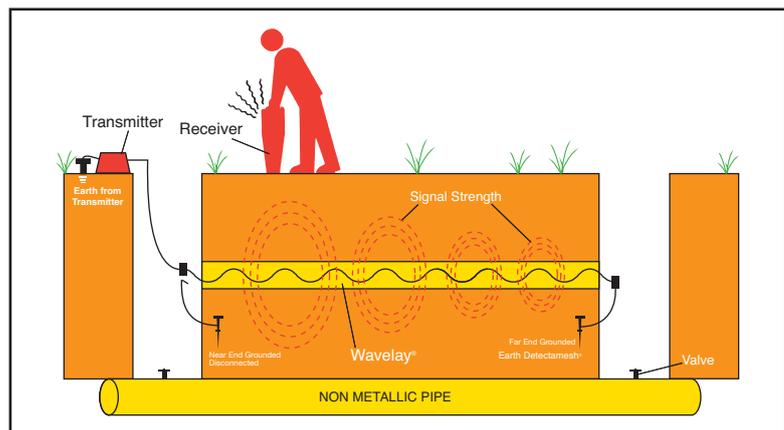
For further information or guidance on ways to terminate or creating access points please contact our Civils team.



Wavelay[®] clamped to an access chamber wall makes direct connection by a cable & pipe locator / detector easy.

Locating Wavelay[®]

1. The Wavelay[®] should have been earthed (grounded at the near and far end) upon installation.
2. Connect the red lead from the transmitter to the Wavelay[®] at an access point. At this point disconnect the near end grounded tape.
3. Connect the black lead from the transmitter to the ground rod.
4. Use the lowest frequency possible eg: 577Hz or 8KHz. This will eliminate coupling to other grounded cables.
5. The far end of the tape should be grounded, resulting in an improved return path to the earth spike increasing the signal strength.
6. Ensure the ground rod is as far from the trace path as possible at a 90 degree angle.
7. Use the receiver to follow the path of the tape to locate the buried service.



The information contained herein is, to the best of our knowledge, accurate in all material respects. However, since the circumstances and conditions in which such information and the products mentioned herein can be used may vary and are beyond our control, no representation or warranty, express or implied, of any nature whatsoever is or will be made and no responsibility or liability is or will be accepted by us, any of our affiliates or our or their respective directors, officers, employees or agents in relation to the accuracy or completeness or use of the information contained herein or any such products and any such liability is expressly disclaimed.