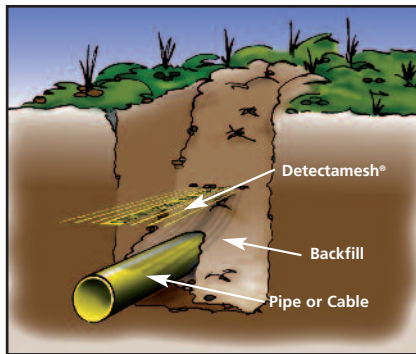


INSTALLATION INSTRUCTIONS

Detectamesh® will provide a visual warning that a buried pipe, cable or other service is below. Detectamesh® is traceable by means of a corrosion resistant stainless steel wire that is laminated between the middle band of the mesh and the printed top tape.

Laying Detectamesh®

It is recommended that the mesh be buried halfway between the buried service and the surface of the earth. Unroll the Detectamesh® 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.



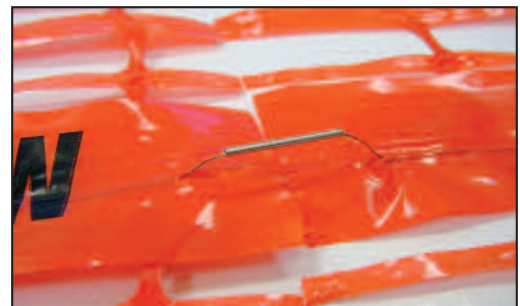
Joining the mesh

It is essential that all joints in the Detectamesh® 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 mesh wire is not connected correctly then the signal may not pass from roll to roll.

1. Peel back the top tape at one end to expose the wire.
2. Insert the crimp over the wire on one of the mesh rolls. Push the wire right through so that about 5mm protrudes from the end.
3. Insert the wire from the other mesh 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 wire comes out, make the connection again.
6. The Detectamesh® can now be laid and the trench back filled.



Crimping tool and stainless steel crimps.



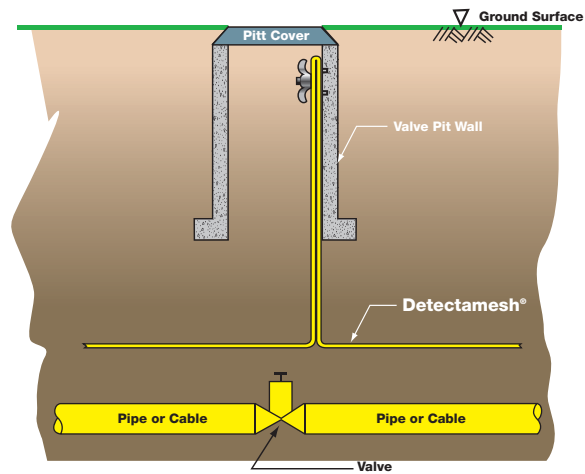
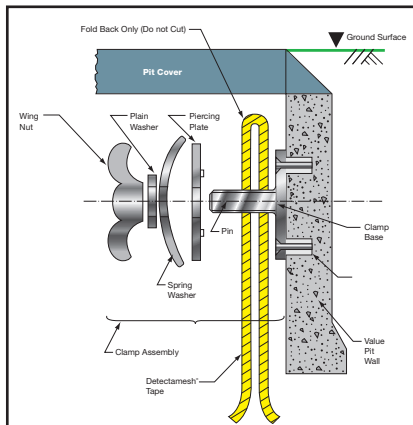
Connection of the mesh using the crimps. If the mesh wire is not installed correctly then the signal may not pass from join to join.

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

INSTALLATION INSTRUCTIONS

Access points for location

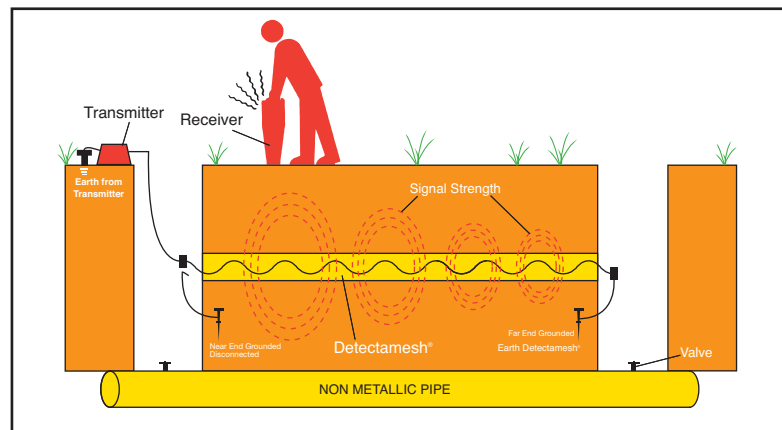
In order to be easily located by a Cable Avoidance Tool, the Detectamesh® should be installed so that the start, end and various access points along the length of the installation are accessible for connection purposes. This can be achieved in various ways by bringing the mesh to the surface or by clamping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



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

Locating Detectamesh®

1. The Detectamesh® should have been earthed (grounded at the near and far end) upon installation.
2. Connect the red lead from the transmitter to the Detectamesh® at an access point. At this point disconnect the near end grounded mesh.
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 mesh 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 mesh to locate the buried service.
8. Typical tracing range: Induced mode - 200m, Direct connected mode - 350m.
(Figures applicable for Bodcat 33 & Bodcat XD33).



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.