

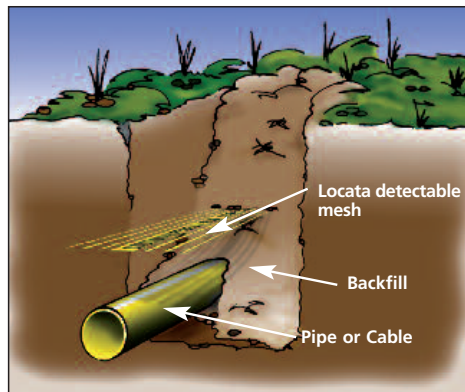
Locata™ detectable mesh

Installation Instructions

Locata™ detectable mesh will provide a visual warning that a buried pipe, cable or other service is below. Locata 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 Locata™ detectable mesh

It is recommended that the mesh is installed halfway between the buried service and the surface. Unroll the Locata 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 Locata 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 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. Locata detectable mesh 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.

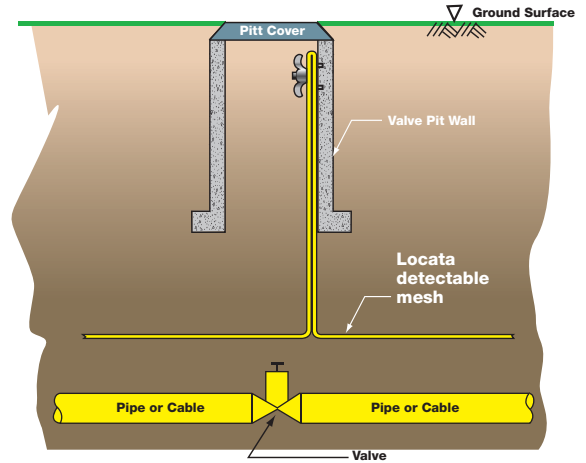
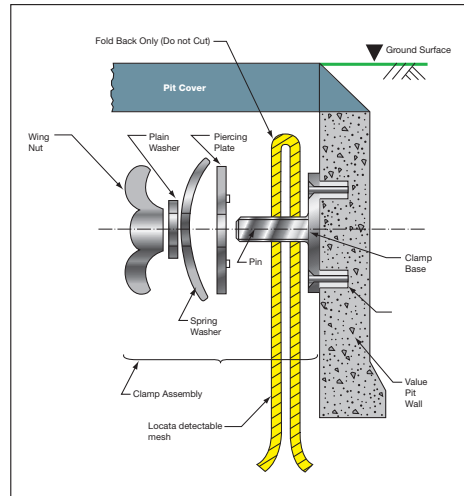


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Access points for location

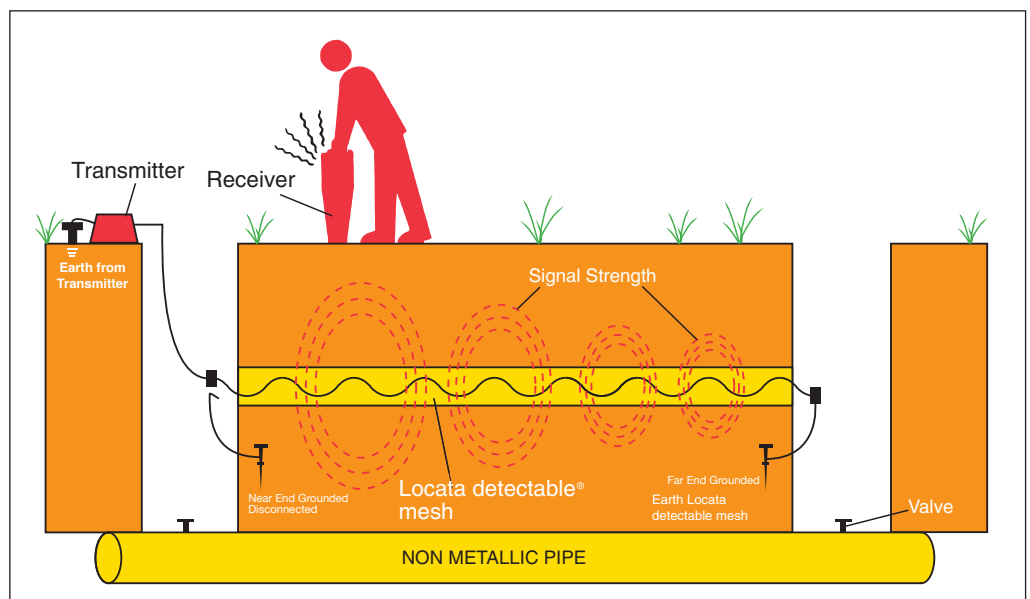
In order to be easily located by a Cable Avoidance Tool, Locata detectable mesh should be installed so that the start, end and various access points along the length of the installation are accessible for connection purposes. This can be achieved in various ways by bringing the mesh to the surface or 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.



Locata detectable mesh clamped to an access chamber wall makes direct connection by a cable and pipe locator / detector easy.

Locating Locata™ detectable mesh

1. The Locata detectable mesh should have been earthed (grounded at the near and far ends) during installation.
2. Connect the red lead from the transmitter to Locata 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 and thus 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.



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