

# PRODUCT SPECIFICATION

**PRODUCT:** WAVELAY<sup>®</sup> DETECTABLE WARNING TAPES

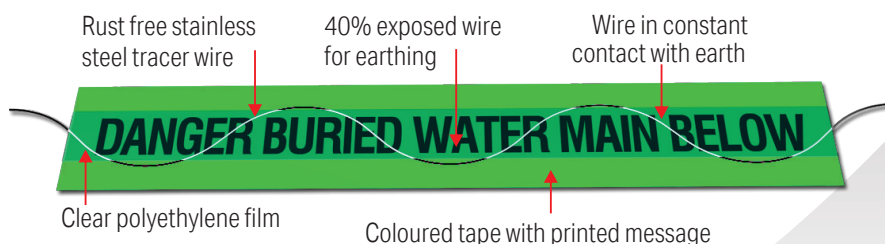
### DETECTABLE WARNING TAPES (INCORPORATING A 0.7MM '316' GRADE STAINLESS STEEL TRACER WIRE)

CODE	PRODUCT DESCRIPTION	COLOUR	SIZE	UNIT MEASURE	UNIT WEIGHT	UNITS PER PALLET
116157	Wavelay Gas	Yellow/Black	100mm x 250m	roll	4kg	140
116324	Wavelay Communications	White/Black	100mm x 250m	roll	4kg	140
116638	Wavelay Water	Green/Black	100mm x 250m	roll	4kg	140
116737	Wavelay Electricity	Orange/Black	100mm x 250m	roll	4kg	140
116782	Wavelay Recycled Water	Lilac/Black	100mm x 250m	roll	4kg	140
116577	Wavelay Drinking Water	Blue/Black	100mm x 250m	roll	4kg	140
116935	Wavelay Sewer	Beige/Black	100mm x 250m	roll	4kg	140
116690	Wavelay Fire	Red/Black	100mm x 250m	roll	4kg	140

## PRODUCT DESCRIPTION

WAVELAY<sup>®</sup> detectable tracer tape is an underground warning tape incorporating one or two 0.7mm AISI 316 grade stainless steel tracer wires laid in a sinusoidal wave pattern and laminated between two layers of low density, lead-free, virgin grade rot-resistant polyethylene.

- Wavelay wire design maximises detectability. Wire will stretch more than 25% before breaking.
- Top printguard layer secures the tracer wire and protects the warning message.
- Stainless steel wire is corrosion resistant with tensile strength of 680N/mm.
- Surface detection is improved by a new lamination process leaving 25% of the tracer wire exposed, improving earthing properties.
- Excellent freight efficiency with 240 rolls to a standard pallet.
- 100mm x 250m rolls are standard.
- Can be supplied in custom print and custom colours on cable drums up to 3km.

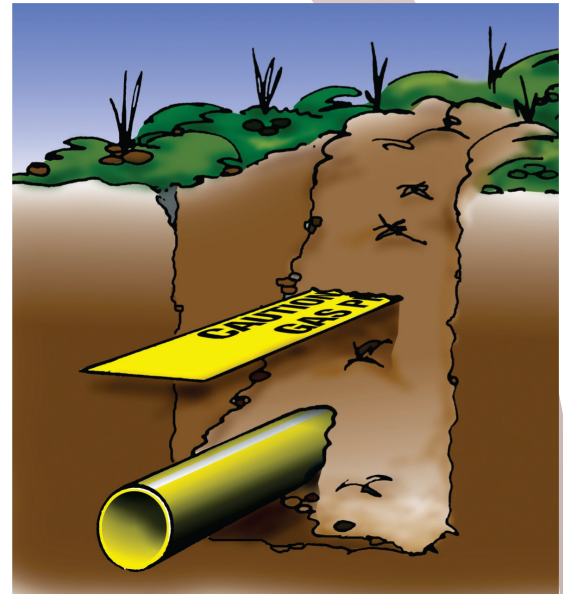


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### INSTALLATION INSTRUCTIONS

- It is recommended that the tape be buried 600mm below the surface, to allow conductive detection.
- 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.
- It is essential that all joints in the Wavelay are completed using joining crimps to enable a strong corrosion resistant connection.
- If the tapes wires are not connected correctly then the signal may not pass from roll to roll.

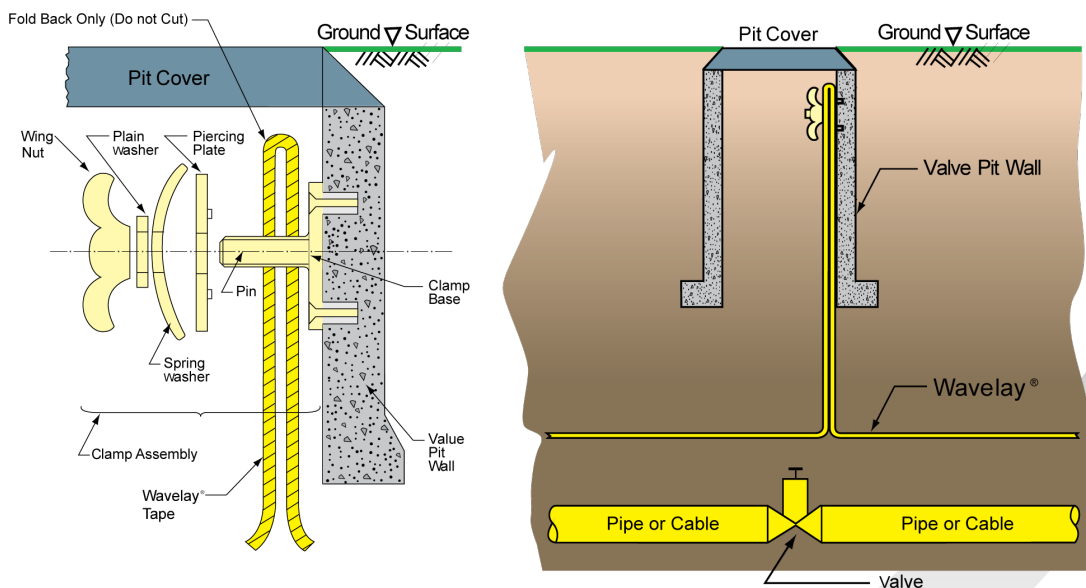


### LOCATING WAVELAY<sup>®</sup>

#### Access Points for Location

For easy location 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. **IMPORTANT: There must be no break in the wires at any access point.**



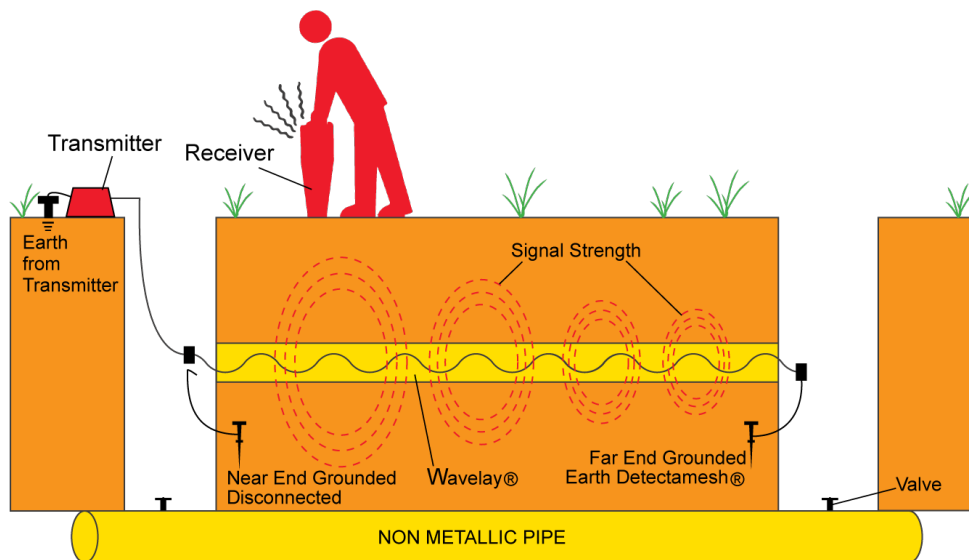
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### LOCATING WAVELAY<sup>®</sup>

#### Location Procedure

1. Wavelay should be earthed (grounded at both the near and far ends) on installation.
2. Connect the red lead from the transmitter to the Wavelay at an access 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 to eliminate coupling to other grounded cables.
5. Grounding the far end of the tape will improve the return path to the earth spike and increase 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.



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