



**PALL ROCES CORPORATION**  
**SINCE 1966**



**DETECTABLE / NON-DETECTABLE**  
**MARKING TAPES**

# Detectable Marking Tapes

Sentry Line™ Detectable tapes may be located by inductive or conductive methods utilizing most standard pipe and cable locators.

Color coded for application and non-adhesively laminated, Sentry Line tapes are colorfast and chemically inert for lifetime stability underground and have been successfully located more than twenty years after interment. Also available in reinforced and non-reinforced grades.

## **Sentry Line™ Reinforced Detectable**

The top of the line detectable tapes. Superior tensile strength and puncture resistance allows it to withstand the rigors of being plowed in without breaking. This also makes it ideal for situations where site conditions are difficult.

## **Sentry™ Line Detectable**

Similar to above but with lower tensile strength and puncture resistance.

**Terra Clips** – are used to electrically connect one roll of detectable tape to the next and for connecting lengths of tape placed over laterals or trees. These must be installed at the time the tape is buried if the location method will be conductive but they can also be used to enhance continuous inductive location. Terra Clips are packed in bags suitable for making 5 splices or bulk packaged.

## **Recommended Placement Depths of Detectable Tapes:**

As a general guideline we recommend the following depths be followed unless the product has been proven to be locatable at deeper depths with the type of locator being used, soil conditions, etc. These are guidelines only:

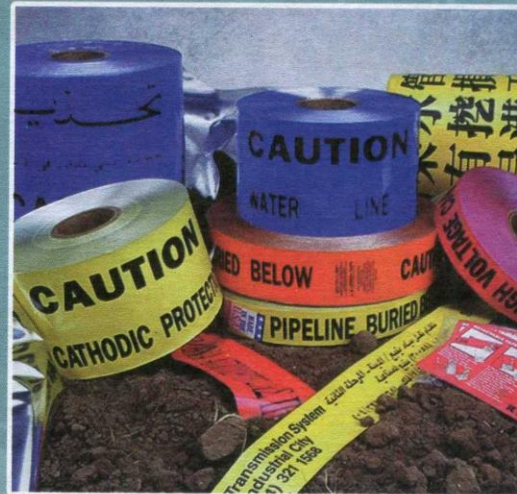
- 2 inch width up to 12 inches deep
- 3 inch width up to 24 inches deep
- 6 inch width up to 36 inches deep

Many of the more sensitive locators on the market may be capable of locating at twice or more the recommended depths shown.

**Factors that may affect location depth and distance include the following:**

- Type and sensitivity of locator being utilized.
- Type of location method being utilized.
- Distance the receiver is from the transmitter.
- Location of other metallic underground structures to the tape.
- Experience of the person using the locator with the operation of that model of locator.
- Type of soil and / or surfaces above marking tape.
- Moisture level of the soil.
- Condition of batteries in locator.

Magnetic locators or ferrous metal locators will not be able to locate detectable tape at any depth since detectable tape is aluminum based, which is a non-ferrous metal.



## Non-Detectable Marking Tapes

**Extra Stretch™** underground marking tape can help prevent the high cost of accidental line damage and the inconvenience of service interruptions.

Performance proven the world over for protecting telecommunications, electric, gas and other utilities. **Extra Stretch™** is unsurpassed in its balance of high tensile strength, puncture resistance and excellent elongation-properties. This unique combination of properties allows it to stretch above grade level in one continuous piece, ensuring jobsite personnel and machine operators will be alerted to stop digging immediately and contact the appropriate authorities. Easy to install, **Extra Stretch™** is available in a variety of imprints, colors and sizes to meet your specific requirements.

**Premium** is a heavy gauge product with very high tensile strength and excellent elongation. Premium is suitable for installations where the potential for a cable / pipe cut is high but where soil conditions may not require the toughness of **Extra Stretch™**. Premium can also be installed with a cable plow.

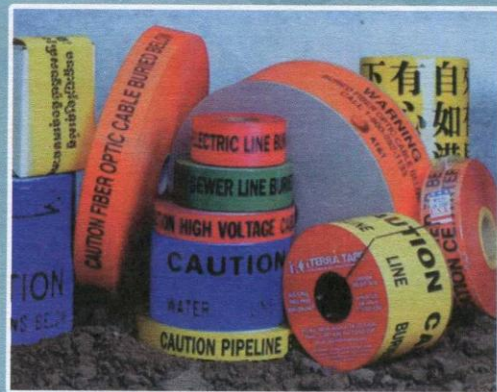
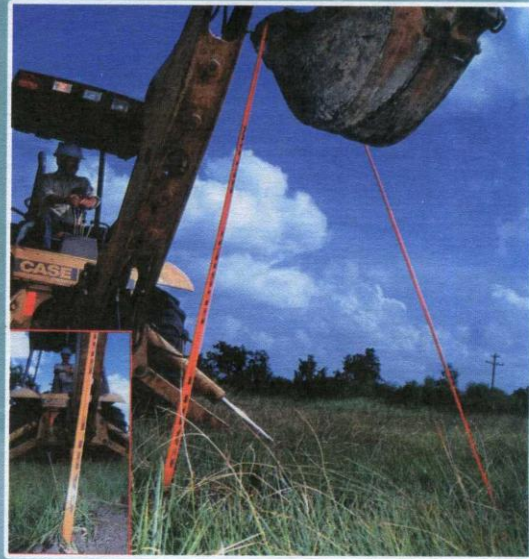
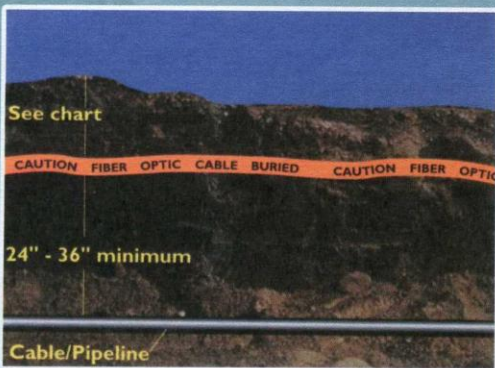
**Standard and Economy** are lighter grade materials designed to provide needed performance and protection within project budget constraints.

**Extra Strength** is a heavy duty reinforced tape with high tensile strength, excellent tear and puncture resistance which is designed not to stretch.

### RECOMMENDED PLACEMENT DEPTH OF NON-DETECTABLE TAPES

Placement depths of non-detectable tape will vary depending upon the strength and elongation rates of the tape used as well as the soil conditions encountered.

As a general guideline we recommend placing the product as shallow as possible but not deeper than the following maximum depths.



### PLACEMENT OF NON-DETECTABLE TAPES

3 inch width - Not more than 12-16 inches below finished surface grade.

6 inch width - Not more than 20-28 inches below finished surface grade.

Depths shown are based on **Extra Stretch™** Products with lower elongation, puncture resistance and tensile strength should be placed nearer to the surface.



The goals of a properly designed and installed detectable underground marking system are:

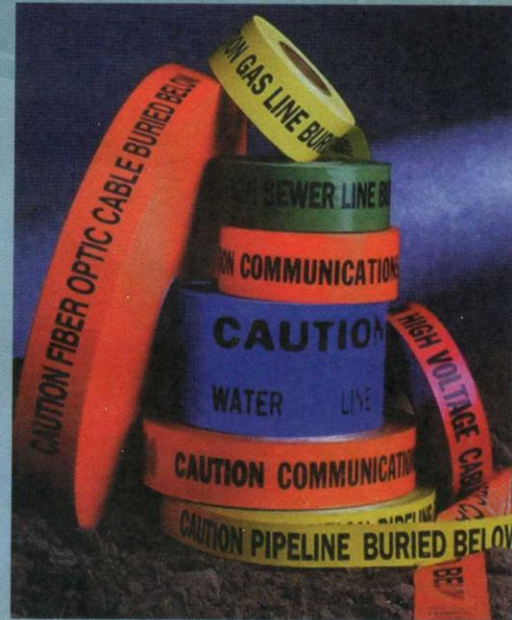
1. A reduction in insurance rates to a point where the cost of the detectable tape and its proper placement over the utility line will be more than paid for the reduction.
2. Reduction of the expense of underground utility line location personnel and machinery. The location of the detectable underground utility line marking tape is all that will be required to locate the underground utility line.
3. A uniform product designation and specification and a uniform procedure for identifying, locating, protecting, and detecting all underground utility lines. Utility lines that are not presently marked can easily and inexpensively be marked by the installation of a shallow buried detectable tape over the existing line with the use of a tape plow attached to cable installing machines presently on the market.
4. Maintaining utility lines of all types with a properly designed and installed detectable underground marking tape system is a future investment and serves the interest of the owners of the utility company, public or private, or the tax payer, in the case of municipal or government owned utilities through significant reduction in insurance, damage, maintenance and location costs. The safety factors involved in marking utility lines are obvious.

#### APWA Color Code

(Used in the USA and many other countries)

- RED** Electric power lines, cables, conduits and lightning cables.
- YELLOW** Oil, gas, steam, petroleum or gaseous materials.
- BLUE** Water, irrigation and slurry lines.
- GREEN** Sewer and drain lines.
- ORANGE** Communication, alarm or signal lines, cables or conduits

Minimum orders may apply.



#### Manufactured By:

**REEF INDUSTRIES, INC.**

P.O. Box 750250 Houston, Texas, USA

#### Distributed By:

**PALL ROCES CORPORATION**

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**CALL TODAY TO PLACE YOUR ORDER**

