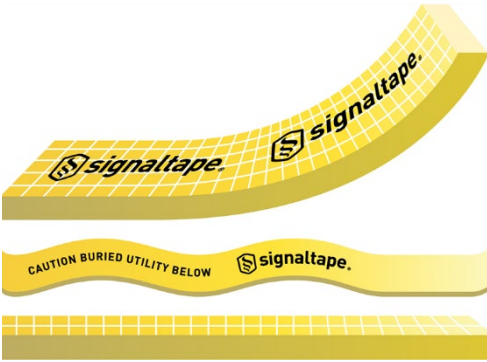


Signaltape® Underground Warning Tape | Technical Data Sheet

Product Type

Non-detectable Underground Warning Tape

Product Composition

- + **Woven Polyethylene Film** – Resists tearing and stretching better than conventional extruded plastic.
- + **Para-Aramid Fiber** – High tensile woven core material inlaid in a sine wave; the combination of strength and slack helps the tape pull to the surface without shearing underground.
- + **Laminating Adhesive** – Bonds film layers and core material.

Physical Properties

Property	Component	Test Method	Value
Weight	4" Width Product	Mfg. Tested	28 lbs/1000 ft
	6" Width Product	Mfg. Tested	35 lbs/1000 ft
	12" Width Product	Mfg. Tested	55 lbs/1000 ft
Thickness	Film Layers	ASTM D2103	11 mil
	Overall	ASTM D2103	55 mil
Break-Strength	Core Material	ASTM D6775	3,000 lbf
		ASTM D882	31,500+ PSI

Property	Component	Value
Elongation	4" & 6" Width Product	25% - 1.25/1 ratio of core material slack to film run
	12" Width Product	50% - 1.5/1 ratio of core material slack to film run
	Core Material	3 to 4% at ultimate break, less than 1.5% at 90% of ultimate break strength

Property	Value
Chemical Resistance	Excellent resistance to acids. Good resistance to alkalis.
Other Properties	Not attracted by mildew. Excellent resistance to aging.

Note: Values are based on averages and may vary slightly.

Product Characteristics

- Industrial-Grade (For Commercial Use)
- Non-Detectable
- Non-Adhesive
- Permanent Messaging

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Specifications

Non-Detectable Underground Warning Tape Furnish tape that is an inert material, approximately [4 / 6 / 12] inches wide, composed of para-aramid fiber laminated between two layers of woven polyethylene film. The para-aramid fiber shall be arranged in a sine wave configuration and have a minimum break strength of 3000 lb (1361 kg) when tested to ASTM D6775. Provide certified data verifying compliance with these requirements.

Furnish tape in continuous rolls in accordance with the APWA color code, with the identifying print legend repeated continuously the full length of the tape on one side only.

Installation Type

Open Trench

Installation Requirements

Tape shall be installed in accordance with Damage Prevention Solutions, LLC procedures (<https://www.damageprevention.com/signaltape/warning-tape-installation-instructions>).

Recommended burial depth is 12" or less below finished grade. Install the tape a minimum of 12" above the utility, with 24 to 36" of separation preferred.

Available Configurations

Product	Signaltape (SX)
Width	4 inch (04), 6 inch (06), 12 inch (12)
Color	Red (R), Orange (O), Yellow (Y), Green (G), Blue (B), Purple (P)
Tracer Wire	None (N)

Part Number Structure: ProductWidth-Color Tracer Wire | Example: SX04-R N

Standard Legends

Water	Line 1: Caution / Line 2: Buried Water Line Below / Blue Film / White Text
Reclaimed Water	Line 1: Caution / Line 2: Reclaimed Water Below / Purple Film / White Text
Sewer	Line 1: Caution / Line 2: Buried Sewer Line Below / Green Film / White Text
Electric	Line 1: Caution / Line 2: Buried Electric Line Below / Red Film / Black Text
Fiber Optic	Line 1: Caution / Line 2: Buried Fiber Optic Line Below / Orange Film / Black Text
Gas	Line 1: Caution / Line 2: Buried Gas Line Below / Yellow Film / Black Text