

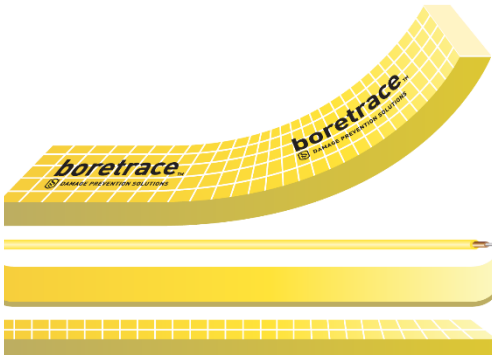
Boretrace® Detectable Marking Tape | Technical Data Sheet

Product Type

Detectable Marking Tape for HDD Installation

Product Composition

- + **Woven Polyethylene Film** – Resists tearing and stretching better than conventional extruded plastic.
- + **12 AWG CCS PE (30) Jacketed Tracer Wire** – Provides a continuous, corrosion-resistant conductive path for locating.
- + **Para-Aramid Fiber** – Woven core with high tensile strength adds durability to the product's construction.
- + **Laminating Adhesive** – Bonds tracer wire, core material, and film layers.



Physical Properties

Property	Component	Value
Width	Overall	4 in
	Core Material	5/8 in
Elongation	Core Material	3% to 4% at ultimate break, less than 1.5% at 90% of ultimate break strength.

Property	Component	Test Method	Value
Thickness	Film Layers	ASTM D2103	11 mil
	Film + Core Material	ASTM D2103	55 mil
Weight	Overall	Mfg. Tested	38 lbs/500 ft
Break-Strength	Core Material	ASTM D6775	3,000 lbf
		ASTM D882	31,500+ PSI

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

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

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Specifications

Detectable Marking Tape Furnish tape that is an inert material, approximately 4 inches wide, composed of para-aramid fiber and 12 AWG CCS PE (30) jacketed tracer wire laminated between two layers of woven polyethylene film. The para-aramid fiber shall 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

Horizontal Directional Drilling (HDD) Applications

Installation Requirements

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

Available Configurations

Product	Boretrace (BT)
Width	4 inch (04)
Color	Red (R), Orange (O), Yellow (Y), Green (G), Blue (B), Purple (P)
Tracer Wire	PE 30 Jacketed 12 AWG Copper Clad Steel Tracer Wire (12 AWG CCS)

Part Number Structure: ProductWidth-Color Tracer Wire | Example: BT04-R 12 AWG CCS

Standard Legends

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