

# NEPTCO Applies Proven Water Blocking Technology and Location Expertise to Create Next Generation Tracer Wire System

By Robert Hegan, Product Manager, Outside Plant and Utilities

NEPTCO, Pawtucket RI, introduces Trace-Safe®, a revolutionary new system that is founded on tried and proven technology for blocking water in fiber optic cables and locating telecommunication cables and duct systems. The comprehensive Trace-Safe system is sophisticated, yet simple to use and features three essential components including a water-blocked tracer wire, no-strip connectors, and a unique locate clip. The system is designed to locate natural gas, water and sewer pipelines as well as telecommunications utilities.

## Unique Water-Blocked Tracer Wire Offers Superior Strength & Corrosion Resistance

Trace-Safe tracer wire is constructed with high tenacity polyester yarns, water blocking yarns, an insulated, 19AWG tin-coated copper conductor and is encapsulated with a high density polyethylene outer jacket. With tensile strength of 1,800 lbs, Trace-Safe can be used for horizontal directional boring and standard trenching applications.

Trace-Safe's high strength and patented construction makes it last longer in the harsh underground environment.

It provides immediate cost savings as well because only one line of Trace-Safe needs to be placed in a directional boring application instead of multiple lengths of standard solid copper tracer wire.

## Improved Signal Control & Accurate Location

Today's locating technology means using a smaller gauge conductor for better signal control and a more accurate locate in what is becoming a very crowded underground environment. With Trace-Safe, there is less signal bleed onto other utilities so it provides greater accuracy and a clearer understanding of what you are trying to locate.

## No-Strip Connectors Save Time.

A variety of connectors for in line splicing and lateral connections are also available as part of the Trace-Safe System. Unlike some traditional connectors, they do not require stripping of the conductor insulation. Simply insert the Trace-Safe tracer wire and close the connector with a pair of pliers. The connection is completed in seconds. The result is a water blocked system to ensure your lines can be located for years to come.



*Trace-Safe is the next generation in tracer wire and is an essential component in the Trace-Safe system. It lasts longer than standard wire and offers an unparalleled, combination of location accuracy, corrosion resistance, and strength.*

## No-Strip Locate Clip Blocks Water Out at Locate Point

With the goal of achieving maximum water-blocking and corrosion resistance, particularly at the locate point, NEPTCO also designed a unique locate clip for the system. Again, there's no special tools or stripping of the conductor insulation required. The locate clip encapsulates the wire at the locate point and allows the tracer wire to stay intact to virtually eliminate water penetration or a path for water to enter. The clip also makes it easy for the locate technician to attach the transmitter while providing a professional finish — leaving no bare wire exposed and minimizing the chance for corrosion and deterioration.



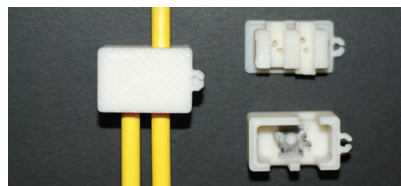
*The no-strip locate clip is designed to achieve maximum water-blocking and minimize the chance for corrosion at the locate point while making it easy for the locate technician to attach a transmitter.*

## Saves Labor & Money

The Trace-Safe system is not only more cost effective than standard copper tracer wire, it's the most comprehensive system available. It will offer the greatest locate accuracy, tremendous labor savings, and additional safety. For more information about Trace-Safe, including independent studies concerning locating, and corrosion resistance please visit: [www.trace-safe.com](http://www.trace-safe.com) or contact Steve Dumas, National Sales Manager, Utilities at 401-525-1580 or email [sdumas@neptco.com](mailto:sdumas@neptco.com).

## About NEPTCO

NEPTCO is a global manufacturer that has nearly 60 years of experience engineering high performance materials and components used in commercial, industrial, military, electronics, packaging, utility and energy applications. The company's expertise lies in advanced polymeric coatings and laminates of films, foils, fibers, composites, papers, non-wovens and custom-formulated adhesives. In-house capabilities include extensive R&D, product coating, lamination, extrusion, printing, slitting and weaving at our ISO 9001:2008-certified manufacturing facilities located in Pawtucket, RI, Granite Falls and Lenoir, NC. Partner with NEPTCO for all of your underground utilities installations.



*NEPTCO's new connectors feature teeth that penetrate and cut the tracer wire in one quick and easy step which eliminates the need to strip the conductor insulation. This results in reduced labor and greater safety for workers.*

U.S. Pat. No. 7,932,469;  
other patents pending.

 **TRACE-SAFE®**  
WATER BLOCKING TRACER WIRE

Visit [www.trace-safe.com](http://www.trace-safe.com) or [www.neptco.com](http://www.neptco.com)