

TST Series - Trace Safe Trench

Description

Water blocking reinforced tracer wire used for direct burial locating purposes in the telecommunications, gas, sewer or water utilities. Double insulated tin-coated solid copper conductor enables location of plastic gas lines, sewer lines, water pipes and non-metallic dielectric fiber optic cables.

Features & Benefits

- ▲ Durably printed with sequential footage or meter markings
- ▲ Conductor additionally protected by product construction
- ▲ Market specific coloring for easy identification
- ▲ Water blocking yarns
- ▲ High density polyethylene jackets
- ▲ Low elongation for enhanced worker safety, no spring back
- ▲ Lightweight and flexible
- ▲ Easy to handle and install
- ▲ Packaged on sturdy recyclable plastic reels
- ▲ Conductor functions at a wide range of frequencies and is compatible with any standard locating equipment
- ▲ Fungus resistant
- ▲ 600 V rated per UL 1581
- ▲ Passes 3 meter water head test
- ▲ Universal connector system



Please refer to NEPTCO's TRACE-SAFE® Water Blocking Tracer Wire Splicing Instructions.

TRACE-SAFE® WATER BLOCKING TRACER WIRE PRODUCT ORDERING INFORMATION

Product	Color Code	Market	Strength		Nominal Diameter
			lbs.	(kg)	
TST400W	Orange	Telecommunications	400	(181)	.145"
TST401W	Yellow	Gas	400	(181)	.145"
TST402W	Blue	Water	400	(181)	.145"
TST403W	Green	Sewer	400	(181)	.145"



TRACE-SAFE® Water Blocking Tracer Wire is intended to promote detection of underground cables and utilities. As with any conductor, it has the potential to transfer electrical energy. Do not pull, strap, bind or lift items with this product.

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Conductor Data

AWG	19 AWG tin coated solid copper conductor
Diameter	.0356" Nominal (.90 mm)
DC Resistance	8.5 OHMS per 1,000 feet (304 meters)
Tensile Strength	38,500 psi Nominal (27,342 kPa)

Conductor Insulation Data

Type	High Density Polyethylene
Inner jacket thickness	.006" (.154 mm) Nominal - Black Color

Dielectric Constant	2.29 @ 1 MHZ
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Core Material

Type	Woven high tenacity polyester and water blocking polyester yarns
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Outer Jacket

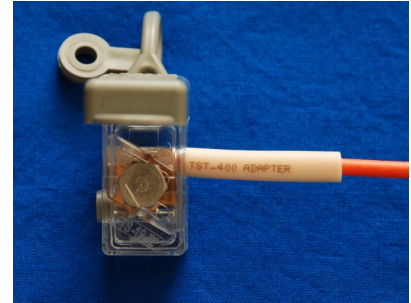
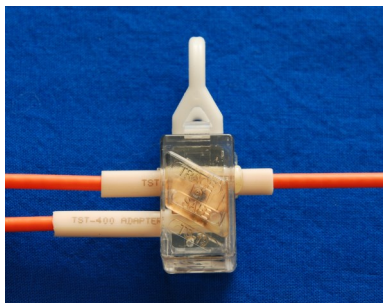
Type	High Density Polyethylene
Outer Jacket Thickness	0.25" (6.35 mm) Nominal - Color depends on application

Overall Product Strength

Tensile Strength	610 lbs. Nominal (277 kg)
Crush Strength	222 lbs. Nominal (100 kg)

Connectors with TST 400 adapter

- ▲ Consistent reliable connections
- ▲ No stripping required
- ▲ Easy to use ensuring high quality splices



NEPTCO only warrants that its products will work in a manner consistent with the capabilities described. This information corresponds to our current knowledge of the subject and it is not intended to substitute for any testing you may need to conduct to determine suitability of our product for your particular purpose. Except for the express warranty and limited remedies described herein, NEPTCO DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The Buyer's remedies under the limited warranty stated above shall be limited to a return of the purchase price of the product. NEPTCO and its authorized agents shall not be liable for any other damages including consequential damages, incurred in connection with the use or performance of the product. This warranty shall be void if the product has been tampered with or improperly used. NEPTCO reserves the right to improve, enhance, and / or modify the features and specifications of these products.