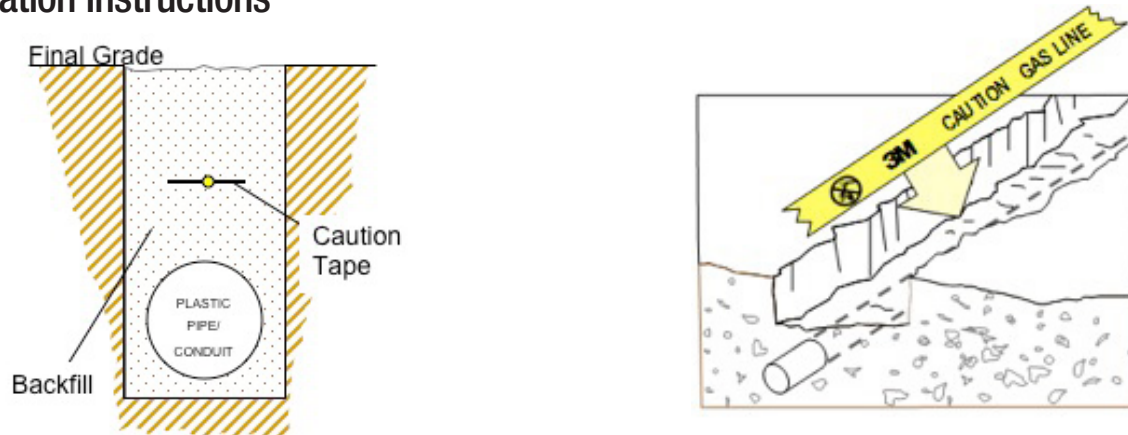


3M™ Electronic Marking System (EMS) Caution Tape 7600 Series

Installation Instructions



1.0 Introduction

- 1.1 3M EMS Caution Tape 7600 is placed above underground utilities, and is located with a 3M Dynatel™ Locator 7000 series. It helps provide an accurate, convenient, long lasting method of marking underground facilities and enables you to return to the location of the marked underground utility's path.
- 1.2 The 3M EMS Caution Tape does not use a continuous metallic wire and does not require any type of splicing or access points. The tape can be broken or cut without affecting the ability to locate the path.
- 1.3 If a section of tape is removed then a new section can be laid in its place. The piece-out section does not have to be spliced to the old section.

2.0 Installing the Tape

- 2.1 Place the pipe/cable in the trench.
- 2.2 Cover the pipe/cable with back fill to a depth no deeper than 30" (76 cm) from final grade. The recommended installation depth is 24" (60 cm).

- 2.3 Unroll the tape (printed side up) flat into the trench.

Note: *Since the tape is packaged in rolls, it may not immediately lay flat in the trench. Periodically pull tape taut to flatten it.*

- 2.4 The tape can also be placed directly onto the pipe as long as the tape is placed within the locatable depth range.
- 2.5 The 3M EMS Caution Tape does not need to be connected to a transmitter for locating and can be completely buried. Before final fill, cover the tape with loose fill to maintain marker position.
- 2.6 For locator operating instructions, please refer to the following Operator's Manuals:

3M Dynatel Marker Locator 7420
3M Dynatel Marker Locator 7420E
3M Dynatel Cable/Pipe/Fault Locator 7550
3M Dynatel Cable/Pipe/Fault Locator 7550E
3M Dynatel Cable/Pipe/Fault Locator 7573
3M Dynatel Cable/Pipe/Fault Locator 7573E.

3M™ Electronic Marking System (EMS) Caution Tape 7600 Series

Property	Values
Description:	6 Mil PE film with 3M Markers for locating
Part Number:	7600 Series
Tape Material:	Polyethylene
Gauge(s):	6 Mil (+/- 10%)
Roll Length:	1,300' (400 m)
Tensile at Break (psi) / (with markers attached):	MD 1307 (+/- 5%) TD 377 (+/- 5%)
Elongation (%):	MD 7.8 TD 12.7
Tear Strength (g):	MD 440 TD 1200

Physical Specifications:

Weight:	44 lbs. (19.9 kg) @ 6" wide
Spool size: 6" wide	19.5" (.5 m) dia x 18.5 in (.47 m)
Spool hole:	3" (76 mm)

Environmental Specifications:

Operating temperature	-4° F to 122° F (-20° C to 50° C)
Storage temperature	-4° F to 149° F (-20° C to 65° C)

Compatibility:

3M Dynatel™ Locators 7420, 7420E, 7500 and 7500E Series

Maximum Detection Depth**:

7600 Series CT Tape	30" (76 cm)
---------------------	-------------

* Based on average production

** Using 3M Dynatel Locators 7420, 7420E, 7500 and 7500E Series

3M and Dynatel are trademarks of 3M Company.

Important Notice

All statements, technical information and recommendations related to 3M Products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using the 3M Product, you must evaluate it and determine if it is suitable for your intended application. Because conditions of Product use are outside of our control and vary widely you assume all risks and liability associated with such use. Any Product-related statements not contained in current 3M publications, or any contrary statements contained in your purchase order, shall have no force or effect unless expressly agreed to in writing by an authorized officer of 3M.

Conditional Limited Warranty: 3M provides the following Conditional Limited Warranty for its EMS Caution Tape 7600 Series and EMS Rope 7700 Series Products: When installed in accordance with 3M's installation instructions, 3M warrants EMS Caution Tape and EMS Rope for a period of one (1) year from the date of purchase of the product, to be free from defects in material and manufacture, provided EMS Caution Tape and EMS Rope are located with 3M Dynatel Locators or other brand locators as may be designated by 3M in writing. This warranty does not extend to EMS Caution Tape and/or EMS Rope that has been subjected to misuse or improper application or that have been repaired or altered by others. **3M MAKES NO OTHER WARRANTIES INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If the EMS Caution Tape and/or EMS Rope is found to be defective within the warranty period, your exclusive remedy shall be, at 3M's options, to repair or replace the EMS Caution Tape and/or EMS Rope or refund the purchase price. Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
1-800-200-0265
FAX: 1-877-601-1305
<http://www.3M.com/dynatel>

Please recycle. Printed in USA.
© 3M 2015. All rights reserved.
78-9000-0465-2 Rev E