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DAMAGE PREVENTION  
SOLUTIONS

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## Changing the frequency

3M™ Electronic Marking System (EMS)  
Warning Tape 7900 Series



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## Introducing the 3M™ Electronic Marking System (EMS) Warning Tape 7900-XT Series for underground utilities.

Take a new approach to path marking with 3M™ Electronic Marking System (EMS) Warning Tape 7900-XT Series. It helps alert users there is a risk of damage when digging near underground utility lines by providing visual verification powered by our EMS technology.

3M's latest line of tapes offer a virtually maintenance-free solution to help eliminate challenges and costs associated with tracer wire and test stations. For use in open trench applications, 3M™ EMS Warning Tape 7900-XT Series uses radio frequency (RF) path markers that work independently. If a section of path marking tape is cut or removed, the other markers on the tape will continue to provide an accurate location.

The tape also features a high strength core material called extreme tensile (XT) which provides an early warning for excavators that an underground asset is below.

All tape models support custom text so you can add your company logo.

## Features of 3M™ EMS Warning Tape 7900-XT Series.

EMS 

### Benefit:

Provides a unique frequency to differentiate each utility.

### Application:

Available in six frequencies. 3M™ EMS-enabled tapes create unique frequencies for each utility, making them ideal for customers who need to locate and differentiate multiple underground utilities.

XT 

### Benefit:

XT features 13 kN strength material and includes a built-in early warning system which causes the tape to pull up from the ground and resist breakage when excavated.

### Application:

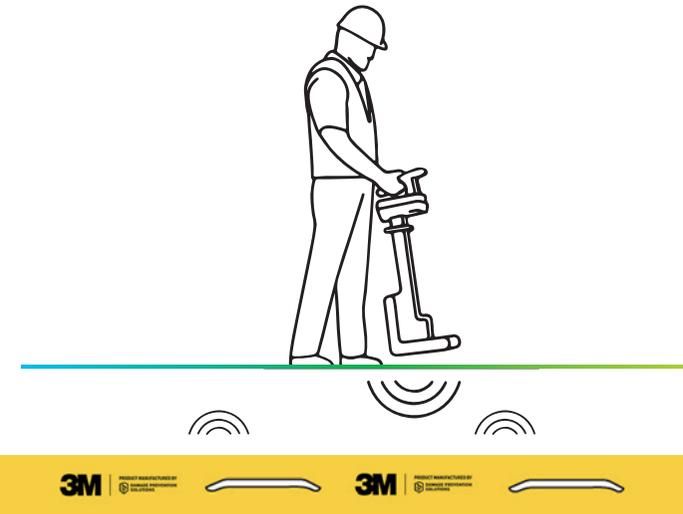
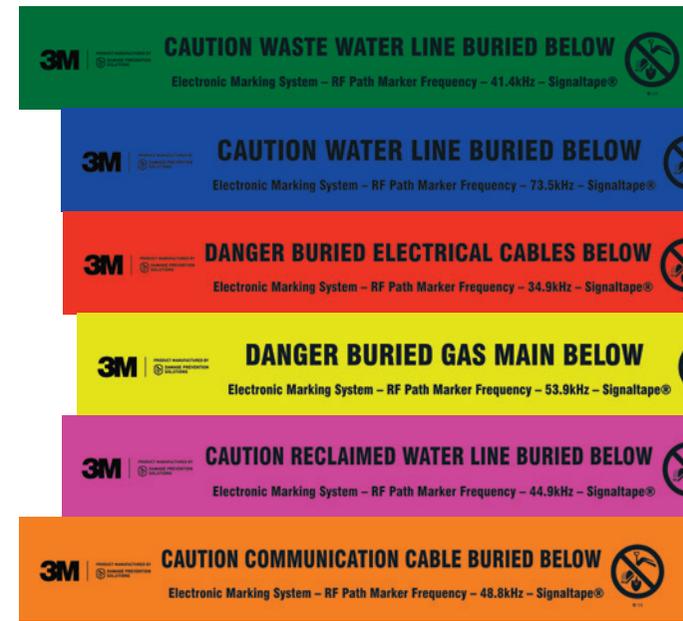
XT-enabled tapes are suited for customers whose primary concern is damage to their assets and want quality tape that helps alert the user if there is risk of damage from excavation.

## Which 3M™ Path Marker is best for your project?

At 3M, we recognise that each job is different. The chart below will help you determine whether the latest 3M™ EMS Warning Tape 7900-XT Series or 3M™ EMS Caution Tape 7900 Series is right for your job.

	Roll length	Sizes/tensile strength	Depth	Utilities available: product code
3M™ EMS Warning Tape 7900-XT Series (EMS and XT)	500 ft (152 m)	4"/3000lb (10 cm/13 kN) 6"/3000lb (15 cm/13 kN) 12"/3000lb (30 cm/13 kN)	< 4 ft (1.2 m)	Telecommunications: 7901-XT
				Power: 7902-XT
				Water: 7903-XT
				Waste water: 7904-XT
				Gas: 7905-XT
3M™ EMS Caution Tape 7900 Series (EMS only)	500 ft (152 m)	6"/360lb (15 cm/1.6 kN)	< 4 ft (1.2 m)	Reclaimed water: 7908-XT
				Telecommunications: 7901
				Power: 7902
				Water: 7903
				Waste water: 7904
Gas: 7905				
Reclaimed water: 7908				

The optimal depth for the early warning system is < 2 ft (60 cm) while embedded. EMS markers are locatable < 4 ft (1.2 m).



Compatible with 3M™ Dynatel™ Locators 7000 Series.