

conspicuity tape

LEM Conspicuity Tape meets and or exceeds all requirements for reflectivity and has a warranty of 7 years. It is flexible and resistant to chipping and cracking which makes it easy to use even around corners. Tapes are available in 2" width by 50 or 100 yards in patterns of 6"/6" or 7"/11".

LEM Conspicuity Tape is DOT-C2 compliant.

Stock Number	Tape Size	Pattern
LCT25066	2" X 50 yards	6"/6"
LCT210066	2" X 100 yards	6"/6"
LCT250711	2" X 50 yards	7"/11"
LCT2100711	2" X 100 yards	7"/11"



detectable buried line tapes

All tapes are available in 3" or 6" wide x 1000 Foot rolls. 5 mil polyethylene material with aluminum core. See page 73 for technical data/submittal specifications. Custom legends available, please contact LEM for details.

! HOW TO ORDER
Specify the stock number and width you desire.
Example: If you want a Caution Buried Oil Line Below tape roll in 3" width, order **DET-607-3**.

Legend	Legend Number	Color
Caution Buried Electric Line Below	DET-601	R
Caution Buried Gas Line Below	DET-602	Y
Caution Buried Pipeline Below	DET-603	Y
Caution Buried Sewer Line Below	DET-604	G
Caution Buried Telephone Line Below	DET-605	O
Caution Buried Water Line Below	DET-606	B
Caution Buried Oil Line Below	DET-607	Y
Caution Buried CATV Line Below	DET-608	O
Caution Buried High Voltage Line Below	DET-609	R
Caution Buried Fiber Optic Line Below	DET-610	O
Caution Buried Reclaimed Water Line Below	DET-611	B



LEM specializes in design and production of durable identification products including labels, pipe marking, wire and cable marking, vinyl self-laminating tags, hang tags, metal tags, utility pole marking, ADA signs, metal signs, vinyl signs, wayfinding directories and other necessary compliance and identification products.

detectable underground utility marking tape specifications

Test Data, Approvals and Color Code

I. Specifications

Consists of a minimum 5.0 mil (0.0050") overall thickness, with no less than a 50 gauge (0.0005") solid aluminum foil core. The foil core and printing shall be encased in a protective plastic jacket with the foil visible through the clear protective jacket on the unprinted side to ensure signal continuity and metal content. The protective plastic jacket and the adhesive bond are specially formulated to resist degradation by elements normally encountered in the soil. The background color coding shall extend the full width and be imprinted in black ink with the appropriate warning message.

II. Test

III. Approvals

- A. Department Of Transportation, material Transportation Bureau, Office of Pipeline Safety USAS code for pressure piping B31.8 paragraph 192.321 (e).
- B. National Transportation Safety Board, Washington D.C., Special Study Prevention of Damage to Pipelines, Adopted June 7, 1973-Report NTSB-PSS-73-1.
- C. American Petroleum Institute (API) Recommended practice for marking buried liquid petroleum pipelines – API RP 1109.

- D. General Services Administration, Washington D.C., Public Buildings Service Guide Specification for Mechanical & Electrical Equipment – PBS 4-1501, Amendment 2, page 1501-14, paragraph 18, subparagraph 18.1, clause 18.1.1.
- E. Rural Electrification Authority (REA), U.S. Dept. of Agriculture, Washington D.C., National Electrical Safety Code for Underground Construction for remote and immediate hazards.

IV. Color Codes

Safety Red

Electric power, distribution & transmission, and municipal electric systems.

High Visibility Safety Yellow

Gas & oil distribution & transmission, dangerous materials, product & steam.

Safety Alert Orange

Telephone and telegraph systems, police and fire communications, and cable television.

Safety Precaution Blue

Water systems and slurry pipelines.

Safety Green

Sanitary and storm sewer systems.

Safety Brown

Force main, reclaimed water lines, and effluent re-use lines.

Property	Method	Value
Thickness	ASTM D2103	5.0 mil
Tensile strength	ASTM D882	28 lbs/inch (5600psi)
Elongation	ASTM D882-75B	<80% @ break
Printability	ASTM D2578	50 dynes/cm2
Flexibility	ASTM D671-76	Pliable hand
Inks	Mfg specs	Heat set Mylex
Message Repeat	Mfg specs	every 20 inches
Foil	Mfg specs	deadsoft/anncalled
Top layer	Mfg specs	virgin PET
Bottom Layer	Mfg specs	virgin LDPE
Adhesives	Mfg specs	30% solid, 1.5#/R
Bond strength	Boiling H ₂ O @ 100°C	5 hours without peel
Colors	APWA Code	(see color codes above)