



Manufacturers Advanced Composite Materials, Automotive and Apparel
Specialty Fabrics, Bias Binding, Electrical Insulation,
Narrow Fabrics, P.V.C. Film, Construction, Survey & Safety Accessories

MUTUAL INDUSTRIES INC.

707 W. GRANGE STREET, PHILADELPHIA, PA 19120

800 523-0888

215 927-6000

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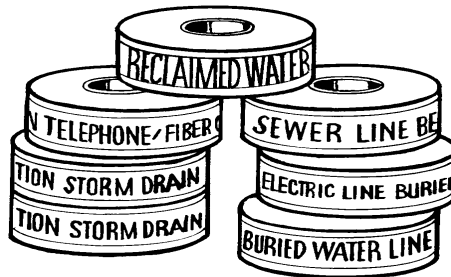
CUSTOMER SERVICE LINE

UNDERGROUND DETECTABLE TAPE Part # 17774

SIZE: 2", 3" OR 6"

LENGTH: 1,000 FT

LEGENDS: ELECTRIC (RED), WATER (BLUE),
GAS (YELLOW), SEWER (GREEN),
FIBER OPTIC (ORANGE),
TELEPHONE (ORANGE),
FORCE MAIN (BROWN), STORM
DRAIN (GREEN) AND
RECLAIMED WATER (PURPLE)



THICKNESS:	ASTM D2103	5.0 MIL
TENSILE STRENGTH:	ASTM D882	5600 PSI
ELONGATION:	ASTM D882-88	< 50% AT BREAK
PRINTABILITY:	ASTM D2578	> 50 DYNES / CM2
FLEXIBILITY:	ASTM D671-81	PLIABLE HAND PRINT
INKS:	MFG SPECS	HEAT-SET ARCAR
MESSAGE REPEAT:	MFG SPECS	EVERY 20" TO 36"
FOIL:	MFG SPECS	DEAD SOFT / ANNEALED
TOP LAYER:	MFG SPECS	VIRGIN PET
BOTTOM LAYER:	MFG SPECS	VIRGIN LDPE
LAMINATION:	MFG SPECS	VIRGIN HOT LDPE



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UNDERGROUND DETECTABLE TAPE #17774

- A. Each utility shall be marked by means of direct burial of the appropriate color-coded detectable, underground, utility marking tape. The burial depth of the tape shall not exceed 36 inches below final grade nor be at an elevation of less than 12 inches above the utility line. The recommended burial depth shall be between 9 and 18 inches below final grade. The detectable underground utility marking tape shall be capable of being detected/located by either conductive or inductive location techniques. The detectable underground utility marking tape shall consist of a minimum: 5mil (0.005”) overall thickness, five-ply composition; ultra high molecular weight, 100% virgin polyethylene; acid alkaline and corrosion resistant; with no less than 150 pounds of tensile break strength per 6” width. Tapes utilizing reprocessed plastics or resins shall not be acceptable. The detectable , underground, utility marking tape shall have a 35 gauge (0.0035”) solid aluminum foil core encapsulated within a 2.55 mil (0.00255”) polyethylene backing and a 0.6 mil (0.006”) PET cover coating. The laminate on each side shall consist of a 0.75 mil (0.0075”) layer of hot LDPE, poly-fusing the “sandwich” without use of adhesives.
- B. The top side of the tracer tape shall be color-banded in the accepted APWA recommended colors; such as *Blue* for water and associated lines; *Green* for sewer lines; *Yellow* for gas lines; *Red* for electric and high voltage lines; *Orange* for fiber optic, telephone, and communications lines. Two color bands will appear on 2” tape, three color bands on 3” wide tape, four bands on 4” wide tape, and six bands on 6” wide tape. A continuous message shall be permanently reverse printed on the underside of the polyester layer of the tape to insure that the 1 ½” tall bold black letters, repeated every 20 – 36 inches, cannot be affected by soil corrosion or scratched off manually. The tape shall be inscribed with the proper warning message for the utility that it is protecting such as “CAUTION...LINE BURIED BELOW” and shall contain burying instructions and a diagram.

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