

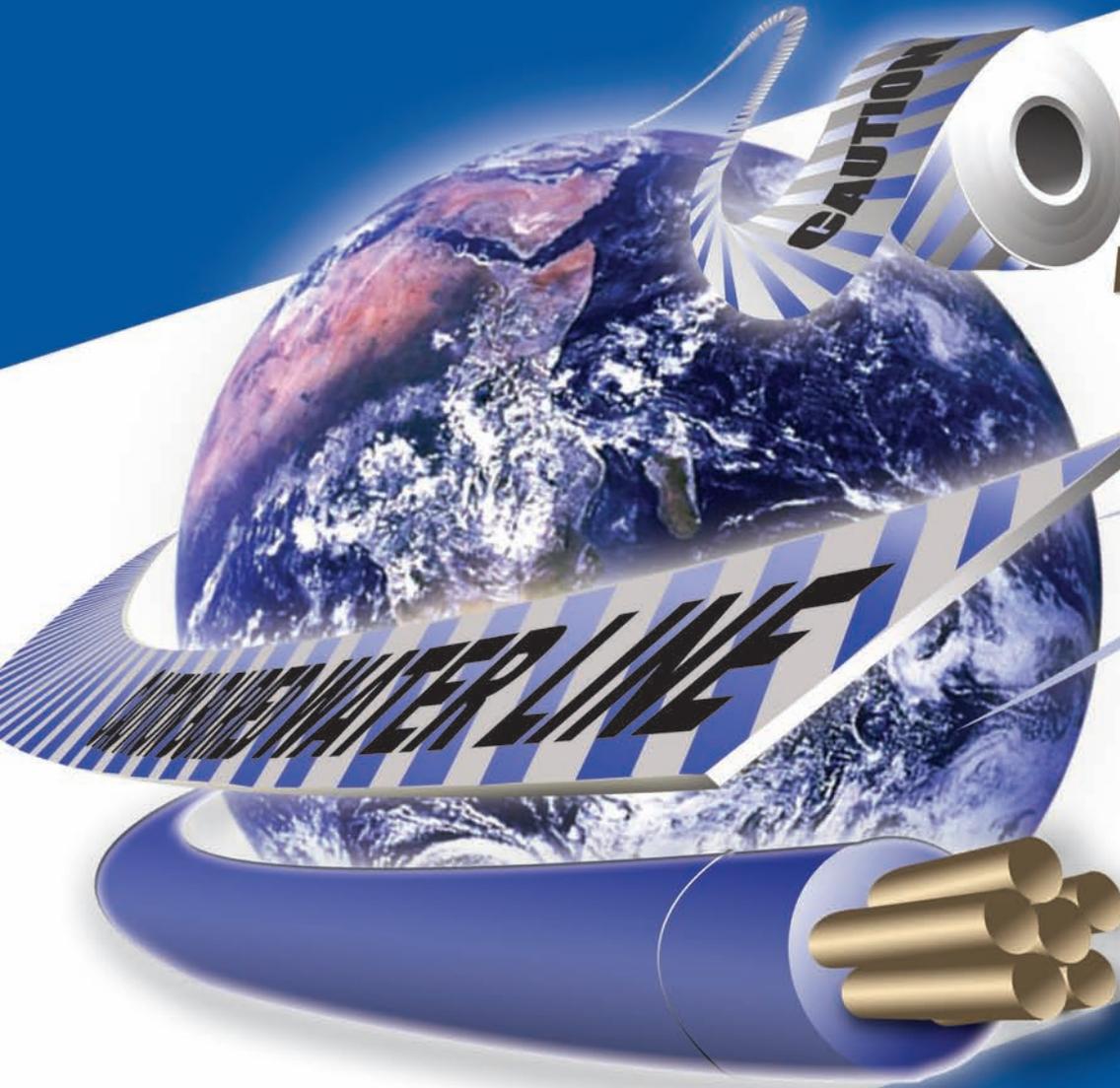


**PRO-LINE**

**SAFETY PRODUCTS**

A DIVISION OF PRO-PAK IND. INC.

WWW.PROLINESAFETY.COM



**DETECT**

**LOCATE**

**IDENTIFY**

**PROTECT**

HARD HATS  
SAFETY VESTS

DUCT TAPES

WIRE & CABLE

DETECTABLE MARKING TAPES

BARRICADE TAPES TRAFFIC CONES AND FLAGS

MARKING WHISKERS ANTI-SKID TAPES SAFETY GLOVES

PADDLES EAR PLUGS BACK SUPPORT BELTS

**WE COVER THE WORLD WITH SAFETY**

## OUR BUSINESS

**Pro-Line Safety Products Company** began operations in West Chicago, Illinois in 1992. What started as a sales and marketing company, grew to include manufacturing and world-wide distribution. Pro-Line brings over 40 years of experience to the safety and utility industry.

**Pro-Line Safety** manufactures and distributes a complete line of underground and above ground utility marking, locating, construction, electrical, and industrial safety products. Our product lines also cover fire, police, rescue, and emergency product requirements. Most importantly, we cover the world with safety and we have you covered!

**Pro-Line Safety's** service and commitment to its' customers begins with the first phone call, and it never ends. We are continually adding new products to service our valued customers with a diversified product line. We offer an extensive inventory of top quality products to ensure our customers receive the products they need with the speed and completeness they deserve. Getting it right the first time, and every time, is our goal and your assurance of complete satisfaction.

## MISSION STATEMENT

We will become a leader in all of our served markets by providing our customers with on-time delivery of competitively priced and the highest quality of products and services.

We will accomplish our mission by setting near term objectives and long term goals that will require superlative performance by each of our employees. We will change any objectives or goals that no longer meet these requirements to ones that do. We understand that this is a never-ending process.

## MESSAGE FROM THE PRESIDENT

**Pro-Line Safety Products** is a recognized leader in the utility and construction industry. The employees and myself thank you for allowing our company to serve you. We know our growth depends on how well our products and services can help your company grow and prosper. As we grow together, **Pro-Line** promises not to take for granted the trust you have placed upon us.



### ***YOU HAVE MY WORD ON IT!***

Darrell G. Holmes  
President / CEO  
Pro-Pak Industries, Inc.  
Pro-Line Safety Products  
Creative Impressions

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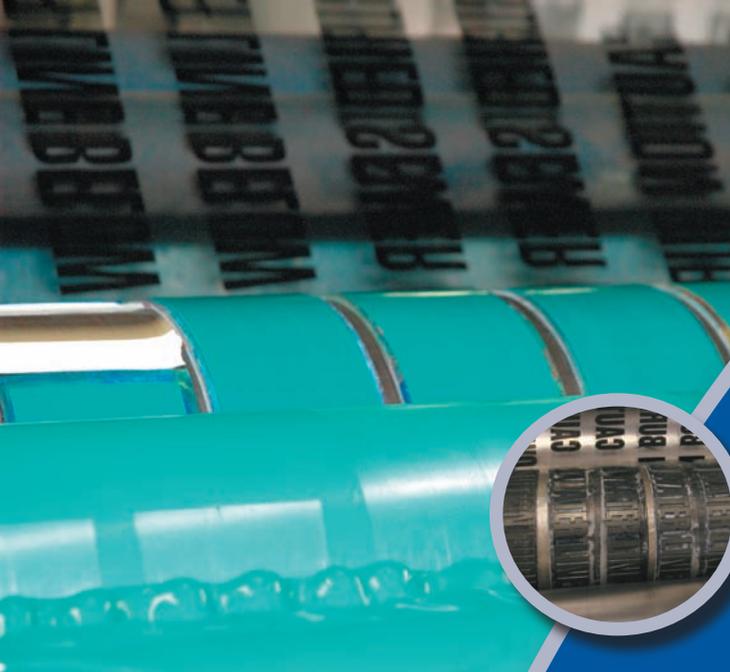
## WE ARE MEMBERS OF:

<b>A.P.W.A.</b>	American Public Works Association
<b>A.W.W.A.</b>	American Water Works Association
<b>N.U.C.A.</b>	National Utility Contractors Association
<b>ONE CALL</b>	Damage Prevention
<b>S.P.E.</b>	Society of Plastic Engineering
<b>N.F.D.P.</b>	National Fire & Disaster Programs
<b>A.S.I.</b>	Advertising Specialty Institute
<b>S.G.I.A.</b>	Screen-Printing Graphic Imaging Association

# ***PRO-LINE SAFETY PRODUCT LINE CARD***

***WWW.PROLINESAFETY.COM***

- ▶ **ADHESIVE TAPES**
- ▶ **ANTI-SKID TAPES**
- ▶ **ASBESTOS-HAZARD PRODUCTS**
- ▶ **BACK SUPPORT BELTS**
- ▶ **BARRICADE ROPES**
- ▶ **BARRICADES**
- ▶ **BARRICADE TAPES**
- ▶ **CONFINED SPACE KITS**
- ▶ **CONSPICUITY TAPES**
- ▶ **CONSTRUCTION SIGNAGE**
- ▶ **D.O.T. SHIPPING LABELS**
- ▶ **DOUBLE SIDED TAPES**
- ▶ **DETECTABLE MARKING TAPES**
- ▶ **DUCT TAPES**
- ▶ **ELECTRICAL TAPES**
- ▶ **FIVE-BUCKLE BOOTS**
- ▶ **FLAGGING TAPES**
- ▶ **GLOVES**
- ▶ **HAZARD STRIPING TAPES**
- ▶ **HAZARDOUS MATERIAL LABELS**
- ▶ **HEARING PROTECTION**
- ▶ **LOCATORS**
- ▶ **LOCKOUT TAGS**
- ▶ **NON-DETECTABLE MARKING TAPES**
- ▶ **OSHA SIGNAGE**
- ▶ **PAVEMENT MARKING TAPES**
- ▶ **PERFORATED ROLL FLAGS**
- ▶ **RAINWEAR**
- ▶ **RESPIRATORS**
- ▶ **ROLL UP SIGNS & STANDS**
- ▶ **SAFETY EYEWEAR**
- ▶ **SAFETY FENCING**
- ▶ **SAFETY FLAGS**
- ▶ **SAFETY HARD HATS**
- ▶ **SAFETY PENNANTS**
- ▶ **SAFETY VESTS**
- ▶ **SAND BAGS**
- ▶ **STAKE FLAGS**
- ▶ **STOP / SLOW PADDLES**
- ▶ **STREET SIGNAGE**
- ▶ **STROBE LIGHTS**
- ▶ **SILT FENCING**
- ▶ **TAPE DISPENSERS**
- ▶ **TEFLON TAPES**
- ▶ **TRACER WIRE**
- ▶ **TRAFFIC CONES**
- ▶ **TRAFFIC CONES**
- ▶ **TRIANGLE KITS**
- ▶ **UTILITY MARKING PAINT**
- ▶ **UTILITY MARKER POSTS**
- ▶ **VINYL MARKING TAPES**
- ▶ **WHISKERS**
- ▶ **WOVEN TAPES**
- ▶ **WIRE & CABLE**
- ▶ **YELLOW SLUSH BOOTS**
- ▶ **AND MUCH MORE**



## **FLEXOGRAPHIC PRINTING**

Flexographic printing is the major process used to print packaging materials. In a typical flexographic printing sequence, the substrate is fed through the press from a master roll. The substrate is printed as it is pulled through a series of rollers and ink stations. Pro-Line can print from 1 to 10 colors and up to 60" in width.



## **ADHESIVE LAMINATION**

Adhesive lamination is the process of bonding two substrates by joining them together with a layer of adhesive material. Pro-Line's specially formulated adhesive is designed for prolonged use underground and is cured in a drying oven. After the substrates have been run through the glue and heat, the materials are rewound into roll form for the next manufacturing process.



# **PRO-LINE**

## **SAFETY PRODUCTS**

A DIVISION OF PRO-PAK IND. INC.

## **"A VIEW FROM WITHIN"**

**Pro-Line Safety Products Company** state of the art manufacturing and distribution facility is located in West Chicago, Illinois. We are approximately 30 miles west of downtown Chicago, IL. Pro-Line Safety Product's manufacturing capabilities include wide-web flexo-graphic printing of up to 10 colors, adhesive lamination, wide-web and narrow-web slitting. We also manufacture a complete line of safety vests which includes our cut and sew operation, graphic arts department, screen printing and embroidery departments for all your custom safety vests and apparel needs.

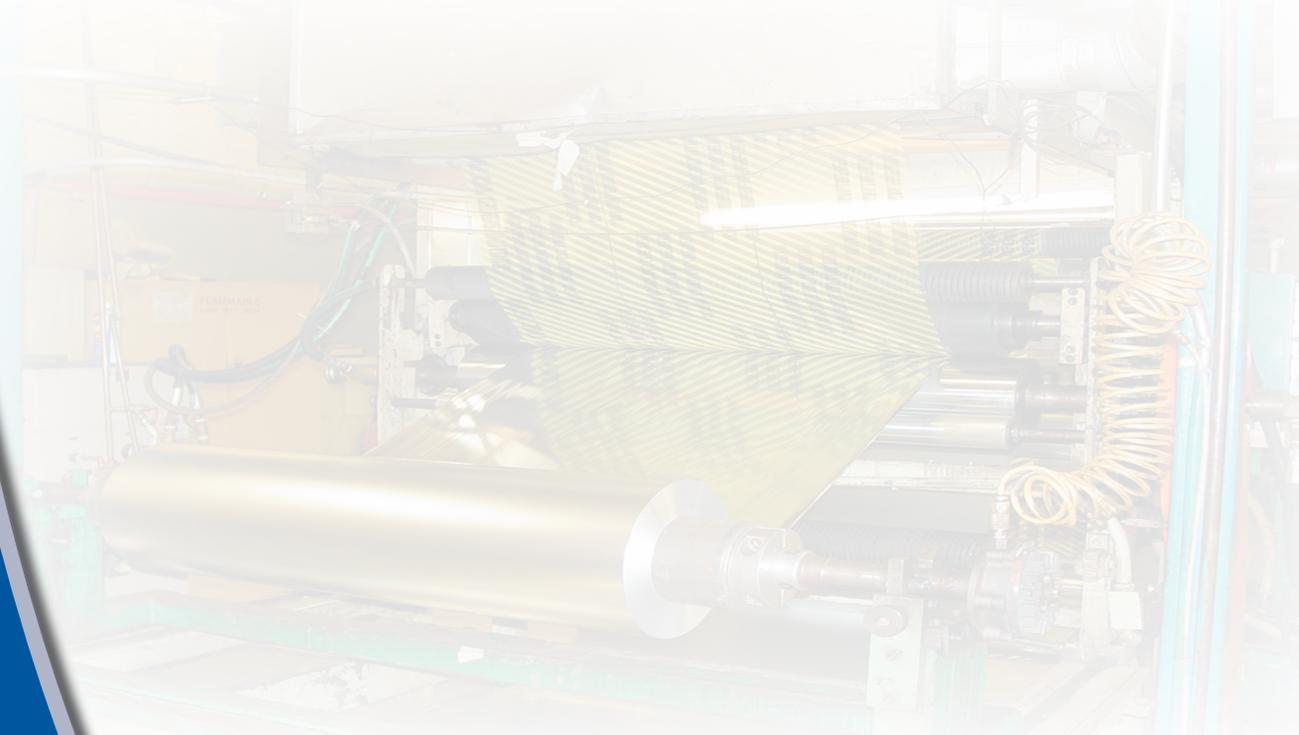


**DETECT ▶ LOCATE ▶ IDENTIFY ▶ PROTECT**

Pro-Line Safety's detectable underground marking tapes are manufactured for the highest visibility in all types of soil conditions. APWA Color-Coded diagonal warning stripes are printed along with big, bold, black lettering to identify what type of utility line is buried below. Pro-Line manufactures detectable underground marking tape to meet or exceed all industry standards. Detectable underground marking tape must be a minimum of 5.0 mils in structural thickness, and be reverse printed which will ensure maximum longevity while buried in all types of soil conditions. A solid aluminum foil core with a minimum of 0.00035 mils in thickness must be used for effective locatability. Pro-Line detectable tape can be printed in any language or customized with special imprints and logo's. Pro-Line manufactures up to 60" in width. Standard sizes are 2", 3", 4", 6", and 12". Standard length is 1000 feet. Custom sizes and lengths are available.



SIZE / LENGTH	APPROX. NET WEIGHT	STANDARD PACKAGING	PALLET PACKAGING
<b>DETECTABLE TAPE INFORMATION</b>			
2" x 1,000 FT.	5.0 lbs / Roll	9 Rolls	450 Rolls
3" x 1,000 FT.	7.5 lbs / Roll	6 Rolls	300 Rolls
4" x 1,000 FT.	10.0 lbs / Roll	4 Rolls	200 Rolls
6" x 1,000 FT.	15.0 lbs / Roll	3 Rolls	150 Rolls
12" x 1,000 FT.	30.0 lbs / Roll	2 Rolls	80 Rolls



**DETECT ▶ LOCATE ▶ IDENTIFY ▶ PROTECT**

Pro-Line Safety's non-detectable underground marking tape identifies and protects buried utility lines. Non-Detectable underground marking tape acts as a "STOP SIGN" to prevent accidental "dig-ins". Pro-Line Safety manufactures non-detectable underground marking tapes to meet or exceed all industry standards. Non-Detectable underground marking tapes must be a minimum of 4.0 mils for the economy version and 6.0 mils in structural thickness for premium grade. All non-detectable underground marking tapes are made with a solid color, organic polyethylene film that utilizes big, bold, black lettering. Pro-Line's non-detectable underground marking tapes can be printed in any language with any design or logo. Pro-Line manufactures up to 60" in width. Standard sizes are 3", 4", 6", and 12". Standard length is 1000 feet. Custom sizes and lengths are available.

SIZE / LENGTH	APPROX. NET WEIGHT	STANDARD PACKAGING	PALLET PACKAGING
<b>NON-DETECTABLE TAPE INFORMATION</b>			
3" x 1,000 FT.	5.0 lbs / Roll	6 Rolls	300 Rolls
4" x 1,000 FT.	6.7 lbs / Roll	4 Rolls	200 Rolls
6" x 1,000 FT.	10.0 lbs / Roll	3 Rolls	150 Rolls
12" x 1,000 FT.	20.0 lbs / Roll	2 Rolls	80 Rolls
3" x 5,000 FT (6 mil)	36.0 lbs / Roll	Bulk Roll	Bulk Pallet



CAUTION: BURIED WATER LINE BELOW	CAUTION: POTABLE WATER LINE BELOW	CAUTION: NON-POTABLE WATER LINE BELOW
CAUTION: RAW WATER LINE BURIED BELOW	CAUTION: RECLAIMED WATER LINE BURIED BELOW	CAUTION: CHILLED WATER LINE BURIED BELOW
CAUTION: NON-POTABLE WATER LINE BELOW	CAUTION: RECLAIMED/RECYCLED WATER DO NOT DRINK	CAUTION: RECLAIMED WATER LINE BURIED BELOW
CAUTION: BURIED PIPELINE BELOW	CAUTION: BURIED UTILITY LINE BELOW	CAUTION: BURIED GAS LINE BELOW
CAUTION: BURIED ELECTRIC LINE BELOW	CAUTION: BURIED CATHODIC PROTECTION LINE	CAUTION: BURIED ELECTRIC LINE BELOW
CAUTION: BURIED CATHODIC PROTECTION LINE	CAUTION: FIRE PROTECTION LINE BELOW	CAUTION: NON-POTABLE WATER LINE BELOW
CAUTION: BURIED FIBER OPTIC LINE BELOW	CAUTION: BURIED TELEPHONE LINE BELOW	CAUTION: COMMUNICATIONS LINE BURIED BELOW
CAUTION: BURIED CATV LINE BELOW	CAUTION: BURIED SEWER LINE BELOW	CAUTION: STORM DRAIN BURIED BELOW



**NON-DETECTABLE TAPE**

## THINK SAFETY

Pro-Line Safety's barricade tapes are great for marking off dangerous areas. Barricade tapes are made of safety yellow or danger red polyethylene. These above ground marking tapes are available in several mil thicknesses. Available in 2.0 mils, 3.0 mils, and 4.0 mils of structural thickness. Barricade tape is printed utilizing big, bold, black lettering. Pro-Line can print in any language or customize the tape with special imprints or logos. Specialty advertising tapes are also available in a variety of other polyethylene colors. Pro-Line manufactures up to 60" in width and will custom slit to any width or length required. Custom legends, colors, and private labels are available. Give us a call today!



SIZE / LENGTH	STRUCTURAL THICKNESS	APPROX. NET WEIGHT	STANDARD PACKAGING	PALLET PACKAGING
<b>BARRICADE TAPE INFORMATION</b>				
3" x 300 FT.	2.0 mil	1.0 lbs / Roll	24 Rolls	1,200 Rolls
3" x 300 FT.	3.0 mil	1.2 lbs / Roll	18 Rolls	900 Rolls
3" x 300 FT.	4.0 mil	1.5 lbs / Roll	12 Rolls	600 Rolls
3" x 1,000 FT.	2.0 mil	2.8 lbs / Roll	12 Rolls	384 Rolls
3" x 1,000 FT.	3.0 mil	3.8 lbs / Roll	12 Rolls	384 Rolls
3" x 1,000 FT.	4.0 mil	4.8 lbs / Roll	10 Rolls	320 Rolls

\*Barricade tape should be used with the Tape Tender<sup>®</sup> for dispensing quickly, safely, and efficiently.

CAUTION CAUTION CAUTION	CAUTION CUIDADO	CAUTION DO NOT ENTER
CAUTION CONSTRUCTION AREA	CAUTION OPEN TRENCH	CAUTION HIGH VOLTAGE
CAUTION HAZARDOUS AREA	CAUTION WET FLOOR	CAUTION WET PAINT
CAUTION HARD HAT AREA	CAUTION MEN WORKING OVERHEAD	SECURITY LINE DO NOT CROSS
FIRE LINE DO NOT CROSS	CRIME SCENE DO NOT CROSS	POLICE LINE DO NOT CROSS
SHERIFFS LINE DO NOT CROSS	RESTRICTED AREA	DANGER DO NOT ENTER
DANGER DANGER DANGER	DANGER HIGH VOLTAGE	DANGER ASBESTOS HAZARD

## ROLL FLAGGING TAPE



**Material Thickness:**  
2.5 - 4.5 mil PVC

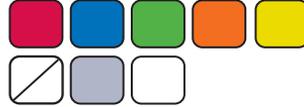
**Roll Widths:**  
1" and 1<sup>3/16</sup>"  
Custom widths available

**Roll Lengths:**  
Standard Colors = 300'  
Standard Glow Colors = 150'  
Custom lengths available



Pro-Line Safety's roll flagging tape is durable and long lasting. This vinyl tape is extruded to the highest standards. Flagging tape is available in fluorescent or standard colors with several sizes to choose from. Pro-Line's flagging tapes are excellent for hazard identification, surveying, forestry applications and flagging boundaries. Flagging tapes are also available with stripes or polka-dots.

### STANDARD PVC MATERIAL COLORS



### STANDARD GLOW PVC MATERIAL COLORS



- Made from non-toxic and non flammable materials
- All APWA colors are available
- Private labeling and custom packaging available
- Standard colors are made from a 2.5 mil PVC
- Standard glow colors are made from a 4.5 mil PVC

## MARKING WHISKERS



Pro-Line Safety's 6" Marking Whiskers are an alternative marking choice for survey and construction sites, underground utility locating and many other uses. Virtually indestructible, these APWA color-coded Marking Whiskers spring back up when run over by lawn mowers, graders and heavy equipment. They are easily and conveniently attached to wood stakes or to 60-penny nails (not included). Use them alone or in conjunction with other marking products.

### « IDEAL APPLICATIONS INCLUDE »

- Graders on construction sites
- Athletic fields
- Forest trees for harvest
- Underground utility marking
- Landscaping and irrigation

### WHISKER MATERIAL COLORS



### WHISKER GLOW MATERIAL COLORS



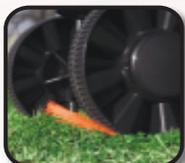
### Insertion Instructions:

#### 60-Penny Nail

Insert a 60-penny nail through the circular opening of the metal clip, then hammer the nail into the ground.



Don't baby it.



Run it down...



It springs back up!

#### Wood Stake

Hammer the wood stake into the ground. Hold the marking whisker at the end opposite the metal clip and hammer the metal clip into the top of the wood stake.



**TYPE THHN**

600 Volts • Copper Conductor  
Thermoplastic Insulation / Nylon Sheath  
Heat, Moisture, Gasoline, and Oil Resistant  
Sizes 14 Through 1 AWG Rated VW-1

**APPLICATIONS**

Pro-Line Safety's Type THHN or THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications as specified in the National Electrical Code, as well as underground tracer wire to effectively locate and detect underground utility lines through means of conductive location. When used as Type THHN, conductor is suitable for use in dry locations at temperatures not to exceed 90°C. When used as Type THWN-2, conductor is suitable for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C when exposed to oil or coolant. When used as Type MTW, conductor is suitable for use in wet locations or when exposed to oil or coolant at temperatures not to exceed 60°C or dry locations at temperatures not to exceed 90°C (with ampacity limited to that for 75°C conductor temperature per NFPA 79). Conductor temperatures not to exceed 105°C in dry locations when rated AWM and used as appliance wiring material. Voltage for all applications is 600 volts.

**SPECIFICATIONS**

Pro-Line Safety's Type THHN or THWN-2 or MTW meets or exceeds all applicable ASTM specifications, UL Standard 83, UL Standard 1063 (MTW), Federal Specification A-A-59544, and requirements of the National Electrical Code.

**CONSTRUCTION**

Pro-Line Safety's Type THHN or THWN-2 or MTW copper conductors are annealed (soft) copper, insulated with a tough heat and moisture resistant polyvinyl chloride (PVC), over which a nylon (polyamide) or UL-Listed equal jacket is applied. Available in black, white, red, blue, green, yellow, brown, orange, purple. Some colors standard, some subject to economic order quantity.

**WEIGHTS, MEASUREMENTS AND PACKAGING**

CONDUCTOR		INSULATION THICKNESS (mils)	JACKET THICKNESS (mils)	NOMINAL O.D. (mils)		APPROX. NET WEIGHT PER 1000 FT. (lbs)		ALLOWABLE AMPACITIES †			STANDARD PACKAGING
SIZE (AWG or kcmil)	NUMBER OF STRANDS			SOL.	STR.	SOL.	STR.	60°C	75°C	90°C	
<b>TYPE THHN or THWN-2 or MTW (also AWM) SPECIFICATIONS</b>											
14 AWG	1 or 19 Str	15	4	102	109	15	16	15	15	15	500S / 2500S
12 AWG	1 or 19 Str	15	4	119	128	23	24	20	20	20	500S / 2500S
10 AWG	1 or 19 Str	20	4	150	161	37	38	30	30	30	500S / 2500S
8 AWG	19 Str	30	5	--	213	--	62	40	50	55	500S
6 AWG	19 Str	30	5	--	249	--	95	55	65	75	500S / 1000S
4 AWG	19 Str	40	6	--	318	--	152	70	85	95	500R
3 AWG	19 Str	40	6	--	346	--	188	85	100	110	500R / 1000R
2 AWG	19 Str	40	6	--	378	--	234	95	115	130	500R
1 AWG	19 Str	50	7	--	435	--	299	110	130	150	500R / 1000R
1/0 AWG	19 Str	50	7	--	474	--	371	125	150	170	500R / 1000R
2/0 AWG	19 Str	50	7	--	518	--	461	145	175	195	500R / 1000R
3/0 AWG	19 Str	50	7	--	568	--	574	165	200	225	500R / 1000R
4/0 AWG	19 Str	50	7	--	624	--	717	195	230	260	500R / 1000R
250 MCM	37 Str	60	8	--	694	--	850	215	255	290	500R / 1000R
300 MCM	37 Str	60	8	--	747	--	1011	240	285	320	500R / 1000R
350 MCM	37 Str	60	8	--	797	--	1173	260	310	350	500R / 1000R
400 MCM	37 Str	60	8	--	842	--	1333	280	335	380	500R / 1000R
500 MCM	37 Str	60	8	--	926	--	1653	320	380	430	500R / 1000R
600 MCM	61 Str	70	9	--	1024	--	1985	355	420	475	500R
750 MCM	61 Str	70	9	--	1126	--	2462	400	475	535	500R
1000 MCM	61 Str	70	9	--	1275	--	3254	455	545	615	500R

S = Spool R = Reel



600 Volts • Copper Conductor  
 High Molecular Weight Polyethylene • (HMWPE)  
 Heat, Moisture, Gasoline, and Oil Resistant  
 Tracer Wire • Sprinkler Wire • Cathodic Protection Cable



## APPLICATIONS

Pro-Line Safety's Type PE wire conductors are primarily used for irrigation wiring, cathodic protection cable, golf course sprinkler wire, and tracer wire applications. Type PE is insulated with low density, high molecular weight polyethylene (HMWPE). HMWPE is a rugged and durable material considered excellent for moisture and abrasion resistance. PE wire conductors are suitable for direct burial use in wet or dry locations at temperatures not to exceed 75°C. Voltage for all applications is 600 volt.

## SPECIFICATIONS

Pro-Line Safety's Type PE wire meets or exceeds all applicable ASTM specifications, UL Standards, Federal Specifications, and requirements of the National Electrical Code.

## CONSTRUCTION

Pro-Line Safety's Type PE copper conductors are annealed (soft) copper or hard-drawn, insulated with a excellent heat and moisture resistant high molecular weight polyethylene material. Available in black, white, red, blue, green, yellow, brown, orange, purple. Some colors standard, some subject to economic order quantity.

## WEIGHTS, MEASUREMENTS AND PACKAGING

CONDUCTOR		INSULATION THICKNESS (mils)		NOMINAL O.D. (mils)		APPROX. NET WEIGHT PER 1000 FT. (lbs)		ALLOWABLE AMPACITIES †			STANDARD PACKAGING
SIZE (AWG)	NUMBER OF STRANDS	PE 30	PE 45	PE 30	PE 45	PE 30	PE 45	60°C	75°C	90°C	
<b>TYPE SPRINKLER SYSTEM WIRE (PE30 or PE45) (also TRACER WIRE) SPECIFICATIONS</b>											
18 AWG	Solid	30	45	102	132	8	11	6	6	6	500S / 2500S
16 AWG	Solid	30	45	112	142	11	15	8	8	8	500S / 2500S
14 AWG	Solid	30	45	126	156	17	20	15	15	15	500S / 2500S
12 AWG	Solid	30	45	142	172	24	28	20	20	20	500S / 2500S
10 AWG	Solid	30	45	164	194	37	41	30	30	30	500S / 2500S
8 AWG	Solid	30	45	206	236	57	60	40	50	55	500S
<b>CATHODIC PROTECTION CABLE SPECIFICATIONS</b>											
14 AWG	7 Str	110		294		40		15	15	15	500S / 2500S / 5000R
12 AWG	7 Str	110		309		48		20	20	20	500S / 2500S / 3000R
10 AWG	7 Str	110		333		80		30	30	30	500S / 2500R / 5000R
8 AWG	7 Str	110		362		93		40	50	55	500S / 1000R / 6000R
6 AWG	7 Str	110		398		135		55	65	75	500S / 1000R / 5000R
4 AWG	7 Str	110		445		190		70	85	95	500S / 2500R / 4500R
2 AWG	7 Str	110		503		275		95	115	130	500R / 2500R / 3500R
1 AWG	19 Str	125		572		360		110	130	150	500R / 2500R
1/0 AWG	19 Str	125		612		435		125	150	170	500R / 2250R
2/0 AWG	19 Str	125		655		540		145	175	195	500R / 2000R
4/0 AWG	19 Str	125		762		800		195	230	260	500R / 1500R

S = Spool R = Reel

## RECOMMENDED SAMPLE SPECIFICATIONS

When used as tracer wire or sprinkler wire, conductors shall be UL-listed Type THHN, UF, or PE wire, suitable for operation at 600 volts or less in wet or dry locations, including direct burial in earth. Conductors shall be annealed (soft) copper, with a polyethylene (PE) insulation or polyvinyl chloride insulation (that includes a nylon-polyamide jacket for Type THHN). Tracer wire or sprinkler wire to be Pro-Line Safety Products or equal.



**TYPE UF**

600 Volts • Copper Conductor  
Polyvinyl Chloride (PVC) Insulation  
Heat, Moisture, Gasoline, and Oil Resistant  
Tracer Wire • Irrigation Wire • Sprinkler Wire



**APPLICATIONS**

Pro-Line Safety's Type UF (Copper Single Conductor) is primarily used for irrigation wiring, golf course sprinkler wire, and tracer wire applications. Type UF is insulated with a polyvinyl chloride (PVC) material. PVC is a durable material that is considered to be tough for moisture and abrasion resistance. Type UF copper conductors are suitable for direct burial use in wet or dry locations at temperatures not to exceed 75°C. Voltage for all applications is 600 volts. Available in black, white, red, blue, green, yellow, and purple. Some colors standard, some subject to economic order quantity.

**SPECIFICATIONS**

Pro-Line Safety's Type UF meets or exceeds all applicable ASTM specifications, UL Standards, Federal Specifications, and requirements of the National Electrical Code.



CONDUCTOR		INSULATION THICKNESS (mils)	NOMINAL O.D. (mils)	APPROX. NET WEIGHT PER 1000 FT. (lbs)	ALLOWABLE AMPACITIES †			STANDARD PACKAGING
SIZE (AWG)	NUMBER OF STRANDS				60°C	75°C	90°C	
<b>TYPE UF (Single Conductor) SPECIFICATIONS</b>								
14 AWG	Solid	60	184	27	15	15	15	500S / 1000S / 2500S
12 AWG	Solid	60	201	36	20	20	20	500S / 1000S / 2500S
10 AWG	Solid	60	272	50	30	30	30	500S / 1000S / 2500S
8 AWG	Solid	60	303	81	40	50	55	500S / 1000S / 2500S

S = Spool R = Reel

**TYPE TFFN / TFN**

600 Volts • Copper Conductor  
Polyvinyl Chloride (PVC) Insulation  
Heat, Moisture, Gasoline, and Oil Resistant  
Tracer Wire • Building Wire

**APPLICATIONS**

Pro-Line Safety's Type TFFN or TFN or MTW may be used as fixture wire, machine tool wiring, or appliance wiring as specified in the National Electrical Code. Suitable for use in wet locations or when exposed to oil or coolant at temperatures not to exceed 60°C.

**SPECIFICATIONS**

Pro-Line Safety's Type TFFN or TFN or MTW meets or exceeds all applicable ASTM specifications, UL Standards, Federal Specifications, and requirements of the National Electrical Code.

CONDUCTOR		INSULATION THICKNESS (mils)	JACKET THICKNESS (mils)	NOMINAL O.D. (mils)		APPROX. NET WEIGHT PER 1000 FT. (lbs)		ALLOWABLE AMPACITIES †		STANDARD PACKAGING
SIZE (AWG)	NUMBER OF STRANDS			SOL.	STR.	SOL.	STR.	TFFN	MTW	
<b>TYPE TFFN or MTW or AWG SPECIFICATIONS</b>										
18 AWG	16 Str	15	4	--	85	--	7	6	7	500S / 2500S
16 AWG	26 Str	15	4	--	99	--	11	8	10	500S / 2500S
<b>TYPE TFN or AWM SPECIFICATIONS</b>										
18 AWG	1 or 7 Str	15	4	78	82	7	7	6	6	500S / 2500S
16 AWG	1 or 7 Str	15	4	89	94	10	11	8	8	500S / 2500S

S = Spool R = Reel



Bare Copper Conductor  
 Solid and Stranded Construction  
 Soft • Medium-Hard • Hard-Drawn  
 Building Wire • Tracer Wire



## APPLICATIONS

Pro-Line Safety's Type Bare Copper, solid and stranded (classes AA and A) are suitable for overhead transmissions, distribution, and tracer wire applications. Stranded conductor of greater flexibility (classes B & C) are suitable for uninsulated hook up, jumpers, and grounds in electrical construction.

## SPECIFICATIONS

Pro-Line Type Bare Copper wire and cable meets or exceeds the following ASTM specifications:

- **B-1** Hard-Drawn Copper Wire
- **B-2** Medium-Hard Copper Wire
- **B-3** Soft or Annealed Copper Wire
- **B-8** Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft

## CONSTRUCTION

Pro-Line Type Bare Copper, solid or stranded. Available in tempers hard, medium-hard, or soft. Stranded conductors are concentrically stranded.

CONDUCTOR		APPROX. NET WEIGHT PER 1000 FT. (lbs.)	DIAMETER (mils)	CIRCULAR MIL AREA (cmils)	HARD DRAWN		MEDIUM DRAWN		SOFT DRAWN	
SIZE (AWG)	NUMBER OF STRANDS				RATED STRENGTH (lbs.)	DC RESISTANCE OHMS / 1000 FT. @ 20°C	RATED STRENGTH (lbs.)	DC RESISTANCE OHMS / 1000 FT. @ 20°C	RATED STRENGTH (lbs.)	DC RESISTANCE OHMS / 1000 FT. @ 20°C
<b>BARE COPPER WIRE SPECIFICATIONS (SOLID)</b>										
14 AWG	Solid	12.44	64.1	4110	213.5	2.626	166.6	2.613	124.2	--
12 AWG	Solid	19.76	80.8	6530	336.9	1.652	261.2	1.643	197.5	--
10 AWG	Solid	31.42	101.9	10380	529.2	1.039	410.4	1.033	314.0	--
8 AWG	Solid	49.98	128.5	16510	826.0	0.653	643.9	0.650	479.8	95
6 AWG	Solid	79.42	162.0	26240	1280.0	0.411	1010.0	0.409	762.9	125
4 AWG	Solid	126.34	204.3	41740	1970.0	0.258	1584.0	0.257	1213.0	170
2 AWG	Solid	200.87	257.6	66360	3003.0	0.163	2450.0	0.162	1929.0	225
<b>BARE COPPER WIRE SPECIFICATION (STRANDED)</b>										
CONDUCTOR		STRANDING CLASS	APPROX. NET WEIGHT PER 1000 FT. (lbs.)	COMPLETE CABLE DIAMETER (mils)	HARD DRAWN		MEDIUM DRAWN		SOFT DRAWN	
SIZE (AWG)	NUMBER OF STRANDS				RATED STRENGTH (lbs.)	DC RESISTANCE OHMS / 1000 FT. @ 20°C	RATED STRENGTH (lbs.)	DC RESISTANCE OHMS / 1000 FT. @ 20°C	RATED STRENGTH (lbs.)	DC RESISTANCE OHMS / 1000 FT. @ 20°C
8 AWG	7 Str	B	50.98	146	777	0.6663	610	0.6629	499	0.6408
6 AWG	7 Str	B	81.03	184	1228	0.4191	959	0.4169	794	0.4030
4 AWG	7 Str	A, B	128.88	232	1938	0.2636	1505	0.2622	1320	0.2534
2 AWG	7 Str	A, B	204.89	292	3050	0.1660	2360	0.1650	2110	0.1578
1/0 AWG	7 Str	A, AA	326.05	368	4752	0.1042	3705	0.1037	3221	0.1002
2/0 AWG	7 Str	A, AA	410.95	414	5926	0.08267	4640	0.08224	4062	0.07949
3/0 AWG	7 Str	A, AA	518.08	464	7366	0.6556	5812	0.06522	5118	0.06304
4/0 AWG	7 Str	A, AA	653.33	522	9154	0.05199	7278	0.05172	6459	0.04999

## A FURTHER LOOK INSIDE PRO-LINE CUSTOMER SERVICE

Pro-Line Safety Products, is a major supplier of building wire to utility distributors, and can help you in many ways. Whether your company is large or small, **PRO-LINE** is the right supplier for your needs. The reliability and competitive pricing that we provide to our customers will often prove more cost effective than an in-house commitment. **PRO-LINE** has 15 master service facilities with the smallest being 150,000 square feet that are all dedicated to stocking the wire and cable you need. Whether your located in the north, south, east, or west coast, **PRO-LINE** has you covered.

Krylon Industrial Quick-Mark™ Inverted Marking Paint uses a special, high-solids formulation for bold, bright, visible markings on virtually any surface - gravel, asphalt, soil, grass, stone, concrete, and many more. This paint features one-coat coverage and a non-clogging spray tip for consistency and efficiency. The Spray-Thru™ cap allows for inverted spraying ease. Choose from a wide variety of water-based colors in 20 oz. cans (17 oz. net weight).



**WATER-BASED APWA COLORS**

-  Clear (S03500)
-  APWA Utility Yellow (S03801)
-  APWA Brilliant White (S03901)
-  APWA Blue (S03903)
-  APWA Green (S03904)
-  APWA Orange (S03905)
-  APWA Brilliant Red (S03911)

**WATER-BASED FLUORESCENT COLORS**

-  Fluorescent Safety Red (S03610)
-  Fluorescent Pink (S03612)
-  Fluorescent Caution Blue (S03620)
-  Fluorescent Safety Green (S03630)
-  Fluorescent Red/Orange (S03650)
-  Fluorescent Orange (S03700)
-  Fluorescent Purple (S03715)



Seymour Inverted Marking Paint is specially formulated for use in the inverted position to produce vivid lines that are safe on grass. Meets APWA Color-Code standards making it the ideal product to use for marking underground utility lines. Great for buried water, sewer, gas, electric and communication lines. Solvent-based formulations are available upon request. Choose from a wide variety of water-based colors in 20 oz. cans (17 oz. net weight).



**WATER-BASED APWA COLORS**

-  Clear (20-631)
-  Utility Yellow (20-678)
-  White (20-652)
-  Precaution Blue (20-653)
-  Safety Green (20-655)
-  Alert Orange (20-670)
-  Safety Red (20-671)

**WATER-BASED FLUORESCENT COLORS**

-  Red Fluorescent (20-654)
-  Pink Fluorescent (20-679)
-  Blue Fluorescent (20-669)
-  Green Fluorescent (20-668)
-  Red / Orange Fluorescent (20-658)
-  Orange Fluorescent (20-657)
-  Purple (20-680)



Eliminate the annoyance of marking paint on your hands by using either Krylon or Seymour Marking Wands. There are two styles available - the 12" spotter hand-held wand or the back-saving 34" wheeler hand-held wand. Both styles are constructed of durable, rugged plastic and lightweight steel with a comfortable pistol grip for easy handling and marking.

**KRYLON INVERTED MARKING WANDS & GUNS**

**SEYMOUR INVERTED MARKING WANDS & GUNS**

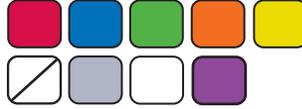


## UTILITY MARKING FLAGS

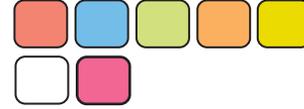


Pro-Line's high-quality, plain and printed marking flags are ideal for above ground marking in a variety of industries. From utility construction to line locating, pet containment to forestry applications, landscaping to lawn care, these flags ensure constant communication and long lasting visibility for your project.

### STANDARD PE MATERIAL COLORS



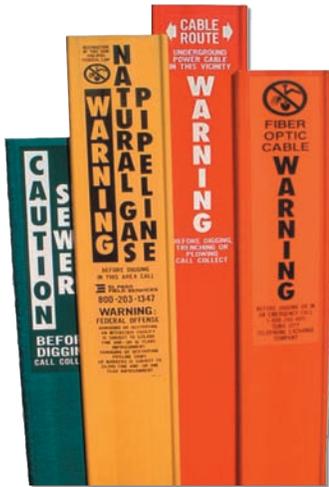
### STANDARD GLOW PE MATERIAL COLORS



- APWA color-coded
- Bright Ink for high visibility
- Heat welded to wire staff
- Made from 3 mil polyethylene
- Available in both wire and plastic staffs
- Wind and tear resistant for performance
- Private labeling and packaging available



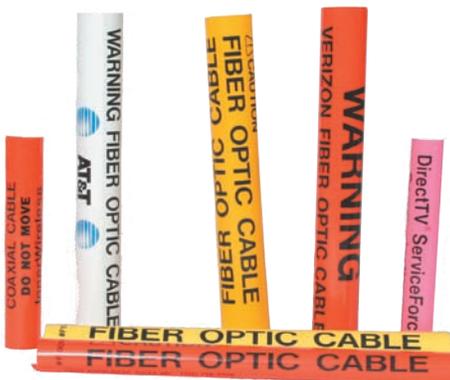
## UTILITY MARKING POSTS



Reduce your exposure to accidental dig-ins and service interruptions. Flexible fiberglass reinforced composite markers from Pro-Line Safety protects your valuable underground investment by clearly and quickly identifying pipelines, valves and other underground utilities. Available in a variety of colors and sizes to meet your requirements. Custom or standard warning message, reflective sheeting or lettering and numbering are also available.

- APWA color coded
- Bright pigmentation for easy identification
- Long lasting material colors
- Use for marking underground utilities
- Made from flexible fiberglass
- Post decals easily identify utility lines
- Custom decal messages are available
- Prevents dig-ins and service interruptions

## PRECOILED PIPE MARKERS



These wrap around markers easily snap around the pipe, cable, duct or tubing. Pro-Line pipe markers are made of calendared vinyl with carbon pigment and treated with UV inhibitors. Wrap around precoiled pipe markers are user friendly because they do not need cable ties, adhesives, and require virtually no time to install. Custom printing and legends available to your specification.

SIZE	CABLE DIAMETER
2"	1/4" to 1/2"
4"	1/2" to 1"
7"	1" to 2"

SIZE	CABLE DIAMETER
8"	2" to 3"
10"	3" to 4"

## POLYESTER MESH VESTS

Pro-Line Safety's economy line of safety vests combine value with safety. Soft mesh with flexibility and ventilation is great for warmer weather and is not abrasive to the skin. These lightweight polyester mesh vests are available in a highly visible orange or lime color with or without 3M™ Scotchlite™ reflective stripes. All vests can be screen printed.

- Available in high visibility orange and lime
- Reflective stripes available: ¾", 1", 1½", and 2"
- Black cloth binding
- Elastic side straps are ¾" x 8"
- Front hook and loop closures are ¾" x 1½"
- 3M™ Scotchlite™ reflective material



## PVC COATED POLYESTER MESH VESTS

Pro-Line Safety's vinyl coated knit mesh is a tougher and more durable material. It is heavy-duty yet flexible for maximum durability. These vinyl coated vests are available in highly visible orange and lime. Other colors available are blue, green, brown and black. Vests are available with or without 3M™ Scotchlite™ reflective stripes for any application.

- Available in high visibility orange and lime
- Reflective stripes available: ¾", 1", 1½", and 2"
- Black cloth binding
- Elastic side straps are ¾" x 8"
- Front hook and loop closures are ¾" x 1½"
- Screen printing available
- 3M™ Scotchlite™ reflective material



## CUSTOM IMPRINTED VESTS

Pro-Line Safety's custom imprinted safety vests are available in our soft polyester mesh or vinyl coated polyester mesh material. These durable safety vests are screen printed with company names, logos, or any messages on 4" x 18" 3M™ Scotchlite™ reflective panels or directly on the vest itself. These custom vests are great for public safety, emergency services, traffic control markets, and for police and fire departments.

- Available in orange, lime, blue, brown, green, and black
- 6 oz. vinyl coated polyester mesh
- 1" vertical reflective stripes
- 4" x 18" reflective panels: lime or silver
- Panels silk-screened with black ink
- Black cloth binding
- Elastic side straps are ¾" x 8"
- Front hook and loop closures are ¾" x 1½"
- Poncho style vests available
- Bold black printed letters
- 3M™ Scotchlite™ reflective material



## ANSI CLASS 2

Pro-line's ANSI / ISEA Class 2 safety vests provide superior visibility for wearers by the additional coverage of the torso. Class 2 vests can be customized with screen printing on 3M™ reflective panels or directly on the vests. Additional options include: pockets, adjustable side closures, reflective designs, tearaway styles, custom sizes, and more.



- High Visibility orange or lime
- 100% solid or mesh polyester
- 2" and 4½" wide reflective available
- Black, orange, or lime cloth binding
- Velcro or zipper front closure
- Available in sizes: M - 6XL
- 3M™ Scotchlite™ reflective material



## ANSI / ISEA 107-2004 REQUIREMENTS

Pro-Line Safety Products ANSI apparel are all made of tested and certified materials which meet or exceed current specifications set forth by the ANSI / ISEA 107-2004 Standard. The American Standard for High Visibility Safety Apparel is published and distributed to all areas of federal, state and local governments as a guideline for high visibility safety apparel. ANSI / ISEA 107-2004 has been updated from the original standard set back in 1999 and will be reviewed and evaluated every five years. The standard represents what the industry views as necessary to adequately protect workers from the hazards associated with working conditions in low visibility environments.

<b>ANSI / ISEA</b>	<b>Performance Class 3</b>	<b>Performance Class 2</b>	<b>Performance Class 1</b>	<b>Performance Class E</b>	<b>Headwear</b>
<b>Background Material</b>	0.80 m <sup>2</sup> (1240 in <sup>2</sup> )	0.50 m <sup>2</sup> (775 in <sup>2</sup> )	0.14 m <sup>2</sup> (217 in <sup>2</sup> )	0.30 m <sup>2</sup> (465 in <sup>2</sup> )	0.05 m <sup>2</sup> (78 in <sup>2</sup> )
<b>Retroreflective or combined-performance material with background material</b>	0.20 m <sup>2</sup> (310 in <sup>2</sup> )	0.13 m <sup>2</sup> (201 in <sup>2</sup> )	0.10 m <sup>2</sup> (155 in <sup>2</sup> )	0.07 m <sup>2</sup> (108 in <sup>2</sup> )	0.0065 m <sup>2</sup> (10 in <sup>2</sup> )
<b>Photometric Performance</b>	Level 2 or Level 1	Level 2 or Level 1	Level 2 or Level 1	Level 2 or Level 1	Level 2
<b>Combined-Performance material used without background material</b>			0.20 m <sup>2</sup> (310 in <sup>2</sup> )		0.05 m <sup>2</sup> (78 in <sup>2</sup> )
<b>Photometric Performance</b>			Level 2 or Level 1		Level 2 or Level 1

## ANSI CLASS 3

Pro-Line Safety's ANSI/ISEA Class 3 safety vests offer greater visibility to the wearer with increased background material utilized along with increased retroreflective or combined performance material. Additionally, visibility is enhanced beyond Class 2 vests by the addition of background and reflective material to the arms and legs. Regardless of the area of materials used, a sleeveless garment or vest alone shall not be considered Class 3.



- High visibility orange or lime
- 100% solid or mesh polyester
- 2" and wide reflective available
- Black, orange, and lime cloth binding
- Velcro or zipper front closure
- Available in sizes: M - 6XL
- 3M™ Scotchlite™ reflective material



MSA and ERB Safety. V-Guard Protection Caps and hard hats from MSA consist of a polyethylene shell and suspension system working together as a head protection system. V-Guard hard hats meet or exceed all applicable requirements for Type 1 hard hats following ANSI 289-1 1997, Class E & G. ERB hard hats are molded from hi-density polyethylene for maximum protection and lightweight comfort. Available in 4-point or 6-point woven nylon webbed suspensions with easy quick slip sizing and cushioned brow pad.



HARD HAT DESCRIPTION	STANDARD PACKAGING	APPROX. NET WEIGHT
<b>HARD HAT INFORMATION</b>		
4 pt. suspension	12 Hard Hats	12 lbs / Case
4 pt. suspension w/ ratchet	20 Hard Hats	22 lbs / Case
6 pt. suspension w/ ratchet	12 Hard Hats	14 lbs / Case

**HARD HATS**



Pro-Line's Triangle Reflector Warning Kits meet or exceed all DOT FMVSS 125 requirements, thus insuring that your fleet and the motoring public have the finest product available. Opaque container protects fluorescent color from UV deterioration. Standard packaging is 3 triangles per kit.

MODEL DESCRIPTION	DIMENSION SPECIFICATIONS	APPROX. NET WEIGHT
<b>TRIANGLE KIT INFORMATION</b>		
Standard Base	17 1/2" long	15.3 lbs
Triangle Erect	17 1/4" wide x 16 1/2" high	
Standard Case	18 3/4" long x 5 1/8" wide x 4 1/2" high	

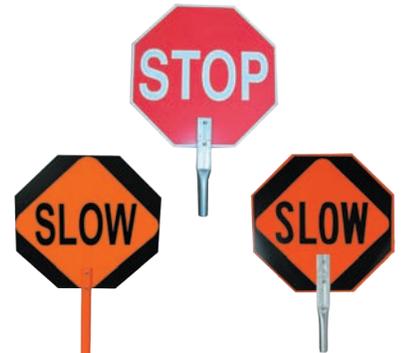
**TRIANGLE KITS**



Pro-Line Stop / Slow Paddles meet MUTCD requirements. Octagon shaped paddles are available silk-screened, or with Engineer Grade, High Intensity, or Diamond Grade Reflective Sheeting. Letter size: 8" for 24" Paddle, 6" for 18" Paddle. Pro-Line's Stop / Slow Paddles are ideal for school crossing guards, police, and plant security. Handle is included.

HANDLE INFORMATION	PADDLE DESCRIPTION	DIMENSION SPECIFICATIONS	APPROX. NET WEIGHT
<b>STOP / SLOW PADDLE INFORMATION</b>			
8" Handle Wood ----- ( or ) -----	Stop / Stop	14", 18", 24"	1.6 lbs ( too )
	Stop / Slow	14", 18", 24"	
8" Handle Aluminum	Stop / Go	14", 18", 24"	1.7 lbs

**STOP/SLOW PADDLES**



Pro-Line Pennants are ideal for drawing attention to an event or defining an area perimeter. Common uses for these flags are sporting events, open houses, grand openings, construction sites and parking areas. Each pennant is constructed of 4 mil polyethylene and double-sewn into a plastic covered, sag-resistant rope.

**PENNANT FLAGS**

**ASSORTED STRAND MATERIAL COLORS**

**SOLID STRAND MATERIAL COLORS**



**TRAFFIC CONES**



One-piece PVC assures durability and flexibility in all weather conditions. Long lasting, brilliant fluorescent color provides high visibility protection. Ultraviolet stabilized color provides maximum resistance to color fading. High density base creates a lower center of gravity for maximum stability. Engineered to meet MUTCD specifications. Slim body and wide body designs are available. Custom stenciling is also available on all cones.

SIZE (HEIGHT)	APPROX. NET WEIGHT	STANDARD PACKAGING	BULK PACKAGING	REFLECTIVE COLLARS
<b>TRAFFIC CONE INFORMATION</b>				
12"	2.5 lbs	30 / Box	1000 Cones	N / A
18"	3.0 lbs	20 / Box	500 Cones	6"
28"	7.0 lbs	10 / Box	300 Cones	4" / 6"
36"	10.0 lbs	4 / Box	200 Cones	4" / 6"

**TRAFFIC FLAGS**



Pro-Line Traffic Flags are ideal for construction zone visibility. Recommended applications are for fast moving vehicles, flagmen, wide loads and oversized loads. Hard wood dowels are available in a 3/4" diameter by 24", 30", or 36" lengths.

SIZE (INCHES)	MATERIAL DESCRIPTION	STANDARD PACKAGING	APPROX. NET WEIGHT
<b>TRAFFIC FLAG INFORMATION</b>			
18" x 18"	Knitted Vinyl Mesh	50 Flags	20.0 lbs
24" x 24"	Knitted Vinyl Mesh	50 Flags	25.0 lbs
18" x 18"	Solid Vinyl (PVC)	50 Flags	30.0 lbs
24" x 24"	Solid Vinyl (PVC)	50 Flags	35.0 lbs

**RAINWEAR & BOOTS**



Pro-Line rainwear encompasses a full range of styles and fabrics from lightweight unsupported PVC to heavy-duty PVC coated fabrics. Available in 35 mil supported and unsupported material. 3-piece suits include detachable hood, bibs with suspenders, and jacket. Features electronically welded seams and a soft comfortable lining, take up snaps on sleeves and ankles and ventilated cape for extra ventilation. Rainsuits are also available with reflective material.



Pro-Line 17" Yellow slush boots with top buckle adjustment, cotton net lining, recessed heel, and heavy rigid sole. 14" five-buckle boot is black, reinforced with heavy duty net lining. Available in sizes 8-16.



**PLASTIC BARRICADES**



Plastic Barricades, Narrowcades, and Minicades all provide 2 feet x 1 foot of reflective material or 288 square inches of reflective sheeting mounted horizontally or vertically on the front and back. Plastic units are reusable up to 17 impacts and drive-overs. They help minimize insurance costs and liability exposure. They feature molded in handles for mounting a flashing light, "click-lock" hinges for a positive interlock in the open position and are molded hollow for internal ballasting with sand. Free funnel comes with every order to facilitate loading. Our plastic barricades have a sand-bag bar on the bottom if additional weight is required. Available in orange, white, and yellow, they are very safe, very durable and very visible.

Pro-Line Safety Products offers a variety of safety gloves. A good fitting glove is as important to your safety as the right material. Gloves should fit comfortably without restricting motion and be long enough to protect your hands.

## SAFETY GLOVES



**#750**  
9 oz. BROWN JERSEY  
Poly / Cotton  
Men's, Women's, and  
Youth Size



**#K708SKBS**  
70% COTTON, 30% POLYESTER  
String Knit, PVC Dots on One Side  
Men's and Women's Size



**#K708SLC**  
70% COTTON, 30% POLYESTER  
10-Cut String Knit  
Latex Coated on Palm & Fingertips  
Men's and Women's Size



**#500SC**  
SHOULDER LEATHER  
2 1/2 Heavy Starched  
Safety Cuff  
Sizes S, M, L, XL



**#994**  
GRAIN PIGSKIN  
Straight Thumb  
Sizes S, M, L, XL



**#9940KF**  
PREMIUM GRAIN PIGSKIN  
Red Fleece Lining, Keystone Thumb  
Sizes S, M, L, XL



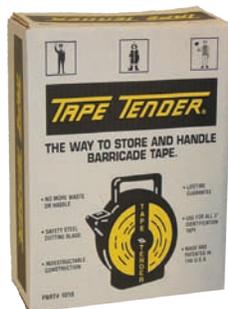
**#2700**  
POSI SHIELD®  
CLEAR DISPOSABLE VINYL  
Industrial Grade, Lightly Powdered  
5 mil, 100 ct.  
Sizes S, M, L, XL



**#2412**  
UNLINED NITRILE  
12 mil, 13" Length  
Sizes 7, 8, 9, 10, 11

## TAPE TENDER®

Dispense 1,000 FT roll of 3" barricade tape quickly, safely, and efficiently. Serrated cutting blade built in. Lightweight and indestructible polypropylene construction. Easy to load into dispensers. Helps reduce waste and snares. Tape Tenders® can also be used to dispense 2" and 3" detectable and non-detectable marking tapes and any other non-pressure sensitive tapes.



## BACK SUPPORT BELTS



Education is the cornerstone of any safety program. Research has proven that back support belts in conjunction with safety education programs, have reduced the potential risks of back injuries in the work place. Pro-Line offers back support belts which provide support to the lower back and helps promote proper posture and lifting techniques.

## EMERGENCY EYE WASH STATION

Durable EyeSaline® wall stations provides immediate flushing for employees. Wall stations mount easily with peel off self adhesive (included) or with screws. Highly visible and readily available for emergency flushing and decontamination of the eyes, face and body. Bottles contain EyeSaline®, a preserved and preferred Saline solution superior to tap water for emergency eye care.



\*Available in 32 oz. single and double wall stations and 16 oz. single wall station. Eyewash bottles available in 1, 4, 16, and 32 oz. bottles.

## LENS CLEANING STATION

The Pyramex Lens Cleaning Station contains one 8 oz. spray bottle and 600 tissues that are specially formulated for safety glass lens coatings. Spray offers an anti-fog and anti-static formula, great for safety glasses.



## EAR PLUGS

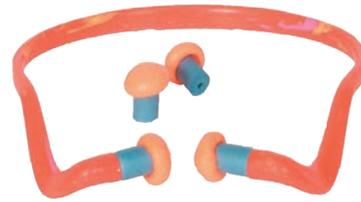
Pro-Line Safety Products offers diverse options for your hearing protection needs in any type of work place conditions. Pro-Line carries many types of hearing protection products for all your safety needs.



Classic E-A-R yellow color is your assurance of proven protection. Moisture resistant, dermatologically safe foam is not irritating. Slow recovery PVC foam provides comfort with low pressure.



MAX-LITE (NRR 30) low pressure foam earplugs offer a long-term user comfort not found in other pre-shaped foam earplugs. The non-irritating, non-allergenic, self adjusting foam recovers to fit virtually any ear canal.



The QB3<sup>HYG</sup> (NRR 23) is designed for those who require moderate or intermittent hearing protection, as the semi-aural pads fit just to the ear canal opening. With a soft comfortable fit, the QB3<sup>HYG</sup> is a great choice.

Howard Leight QM24 (NRR 25) - a 3 position earmuff that weighs only 6 ounces. This earmuff can be worn over the head, behind the neck, or under the chin. Features include adjustable cup height and head band. Adjustable crown chin strap included.



NRR 30dB		ATTENUATION TESTED ACCORDING TO ANSI S3.19-1974					
MAX-LITE INFORMATION							
Frequency (Hz)	125	250	500	1000	2000	4000	
Mean Attenuation (dB)	33.5	33.6	36.0	37.50	39.4	43.9	
Standard Deviation (dB)	3.6	3.4	3.2	3.5	3.5	5.1	
NRR 30 SNR 34CE SLC <sub>80</sub> Uncorded 26.9, Corded 27.5 CSA A (L)							

NRR 23dB		ATTENUATION TESTED ACCORDING TO ANSI S3.19-1974					
MAX-LITE INFORMATION							
Frequency (Hz)	125	250	500	1000	2000	4000	
Mean Attenuation (dB)	26.9	26.0	24.1	26.0	34.4	40.3	
Standard Deviation (dB)	1.8	2.2	2.4	2.1	1.7	2.3	
NRR 23 SNR 22CE SLC <sub>80</sub> 22.0 CSA B (L) Worn Under the Chin							

Pro-Line Safety Products safety glasses are made with cutting edge designs and state-of-the-art molding technologies to embody the most comfortable fit with the highest regard of eyewear protection.

## SAFETY GLASSES

### PYRAMEX Ztek®



- ▶ Lenses are coated for superior scratch resistance
- ▶ Lenses provide 99.9% protection against harmful UV rays
- ▶ Exceeds ANSI Z87.1 requirements
- ▶ Exceeds CSA Z94.3 standards
- ▶ Various frame and lens colors available

### UVEX Astrospec 3000®



- ▶ Contemporary, lightweight uni-lens offers panoramic vision
- ▶ Easy and economical lens replacement system
- ▶ Adjustable lens inclination and temple length
- ▶ Frame colors: patriot, blue, and black

### CREWS Frost Bite®



- ▶ Scratch resistant poly-carbonate lens
- ▶ Strong, lightweight nylon frame
- ▶ Meets ANSI Z87.1 2003 High Impact
- ▶ Wrap around design for snug fit against face

### UVEX Genesis®



- ▶ Unparalleled comfort, protection and style
- ▶ Dual 9-base "wrap-around" lens provides uncompromised peripheral vision and protection
- ▶ Soft flexible fingers adjust and conform to any nasal profile and minimize slippage
- ▶ Soft elastomer browguard diffuses and deflects impacts
- ▶ Easy and economical lens replacement system
- ▶ Adjustable temple length and lens inclination
- ▶ Frame colors: black, vapor blue & red / white / blue

### CREWS Medallion®



- ▶ Panoramic poly-carbonate lens
- ▶ Gel nose bridge and temple sleeves
- ▶ Meets ANSI Z87.1 2003 High Impact
- ▶ Various frame color available
- ▶ Includes a soft cloth pouch for your glasses
- ▶ Design increases visual accuracy and provides unobstructed peripheral and horizontal vision

### SMITH & WESSON Code 4™



- ▶ Classic Magnum® style ergonomically dimensioned for 3 point fit - the ultimate in comfort
- ▶ 7 base cut-to shape spherical lens with nose pad posts molded as on unit
- ▶ Elimination of retention screws with new mechanical snap fit to lens frame
- ▶ Exceeds ANSI Z87.1 Industrial Standards

## VINYL MARKING TAPE

We offer a wide selection of quality aisle marking and pipe banding tapes. Our aisle marking PVC tapes are made from a 6.0 mil vinyl film with a permanent acrylic adhesive system that will adhere to most clean and dry surfaces. Vinyl offers a matte, smooth and conformable tape that is great for marking hazards on floors, walls and equipment. Custom slitting is also available.



SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>SPVC VINYL COLORED TAPES</b>			
1" (24mm)	36 yrd	22 lbs / Case	48 / Case
2" (48mm)	36 yrd	22 lbs / Case	24 / Case
3" (72mm)	36 yrd	22 lbs / Case	16 / Case
4" (96mm)	36 yrd	22 lbs / Case	12 / Case

Backing	Matte surface, soft PVC
Adhesive	Synthetic rubber resin
Total Thickness	5.1 mil (0.13mm)
Adhesion	20 oz. / in.
Tensile Strength	10 lbs. / in.
Elongation	100% at break
Temperature Resistance	-20°F to +176°F
Moisture Absorption	Less than 1.5%
Moisture vapor transmission	Less than 2.5%
Metal Corrosion	None
Accelerated Aging Factor	Greater than 100%



## HAZARD WARNING TAPE

A quick, easy and inexpensive way to mark aisles and physical hazards. This highly visible, pressure-sensitive vinyl tape is self-wound with a permanent adhesive. It is protected with an abrasion resistant clear laminate that resists oil, dirt, and chemicals. Scuff resistant. For marking fire equipment / exits, hazardous areas, and first aid points. 3" neutral paper core. Plastic cores are available at an additional charge on request, but are subject to lead times.

SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>HAZARD WARNING TAPES</b>			
1" (24mm)	36 yrd	12 lbs / Case	60 / Case
2" (48mm)	36 yrd	12 lbs / Case	30 / Case
3" (72mm)	36 yrd	12 lbs / Case	20 / Case
4" (96mm)	36 yrd	12 lbs / Case	15 / Case

Backing	Shiny surface, soft PVC
Laminate	2 mil (0.051mm)
Adhesive	Synthetic rubber resin
Total Thickness	5.1 mil (0.13mm)
Adhesion	17 oz. / in.
Tensile Strength	20 lbs. / in.
Elongation	120% at break
Temperature Resistance	-20°F to +176°F
Metal Corrosion	None
Accelerated Aging Factor	Greater than 100%

## REFLECTIVE TAPES

Pro-Line offers a high quality engineer grade reflective material for day time and night time visibility. Applications include barricades, fences, poles, mail boxes, and more. Reflective tape has an aggressive adhesive that will adhere to almost any clean, dry, smooth surface. Material is rated for 5-7 years of outdoor life depending on conditions.



SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>ENGINEERING GRADE REFLECTIVE TAPE (SOLID &amp; STRIPED)</b>			
1"	10 yds	6 lbs / Case	12 Rolls
2"	10 yds	7 lbs / Case	12 Rolls
3"	10 yds	10 lbs / Case	12 Rolls
4"	10 yds	13 lbs / Case	12 Rolls

Total Thickness	5.5 mils (0.140mm)
Film Material	Retroreflective Urethane Film
Application Surface	Flat (do not use on unpainted surfaces)
Adhesive	MR-510 permanent
Outdoor Durability	5-7 Years
Tensile Strength	20 lbs / in.
Elongation	15% at break
Temperature Range	-40°F to +180°F



## ELECTRICAL TAPE (VINYL)

Our all weather vinyl electrical tapes are excellent for both indoor and outdoor applications. They offer flexibility and pliability to adhere and conform to the most irregular surfaces. These UL approved tapes are highly resistant to sun, oil, water, acids, alkali, corrosive chemicals and aging. Uses include general splicing, harness wrapping and waterproofing, color coding for quick and easy identification.

Backing	Matte surface, soft PVC
Splice Insulation	600 volts
Adhesive	Synthetic rubber resin
Total Thickness	7.0 mil (0.178mm)
Adhesion	18 oz. / in.
Dielectric Strength	1250 V / mil
Dielectric Breakdown	9000 Volts
Tensile Strength	18 lbs. / in.
Elongation	200% at break
Temperature Resistance	176°F (80° C)

SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>ELECTRICAL TAPE (VINYL) INFORMATION</b>			
3/4" (19mm)	60 FT. (Black)	40 lbs / Case	200 / Box
3/4" (19mm)	66 FT. (Colors)	40 lbs / Case	200 / Box

## DUCT TAPE

Utility grade 7.0 mil polyethylene coated cloth duct tape with natural rubber adhesive. Conforms well to irregular surfaces, will not twist or curl during application. Standard color is silver gray. Designed specifically for duct sealing, it is also used for splicing, sealing, patching, sound dampening, water proofing, and as a carpet padding tape. Duct tape is an indispensable item in the house or car. Custom sizes and thicknesses are available.



SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>DUCT TAPES</b>			
2"	60 yds	33 lbs / Case	24 Rolls
3"	60 yds	33 lbs / Case	16 Rolls

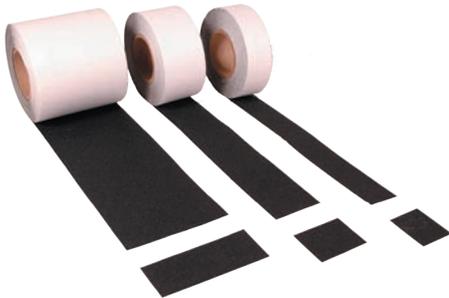
Tensile Strength	18 lbs / in.
Adhesion to Steel	3 oz. / in.
Adhesion to Backing	18 oz. / in.
Elongation	18% at break
Temperature Range	32°F to 176°F (80° C)

Pro-Line also offers a premium grade 11.0 mil high quality polyethylene coated cloth duct tape with a natural rubber resin adhesive. 16 colors to choose from.

## ANTI-SKID TAPE

Pro-Line's anti-skid tapes offer extra traction ensuring a safe work place. Anti-skid tape is constructed from a thick PVC base layer impregnated with a aggressive 60-grit aluminum oxide compound. The backing has an aggressive acrylic adhesive system for longevity. For use indoors or outdoors. Perfect for walkways, ramps, stairways, and many other applications.

SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>ANTI-SKID TAPES</b>			
1" (25mm)	60 FT.	13 lbs / Case	12 / Box
2" (50mm)	60 FT.	13 lbs / Case	6 / Box
3" (75mm)	60 FT.	13 lbs / Case	4 / Box
4" (100mm)	60 FT.	13 lbs / Case	3 / Box



Backing	Matte surface, grit silicone
Adhesive	Synthetic rubber resin
Total Thickness	32 mil (0.13mm)
Adhesion	17 oz. / in.
Elongation	120% at break
Temperature Resistance	-20°F to +176°F
Metal Corrosion	None

## WOVEN BARRICADE TAPES

Extra-durable woven barricade webbing. This tape is made from woven strands of non-conductive polypropylene to produce a very strong and long lasting barrier solution. Woven barricade tape is ideal for situations that require a long term marking, hazards, or when environmental conditions are severe. Due to the high tensile strength of this product, it works great for crowd control applications.

SIZE (WIDTH)	SIZE (LENGTHS)	APPROX. NET WEIGHT	STANDARD PACKAGING
<b>WOVEN BARRICADE TAPE</b>			
3/4"	150 FT	30 lbs / Case	96 Rolls
2"	150 FT	30 lbs / Case	36 Rolls
2"	200 FT	41 lbs / Case	36 Rolls



## PERFORATED ROLL FLAGS

Economical and durable bright red polyethylene roll flags are ideal for tailgates or overhanging loads. Perforated roll flags can be custom imprinted. Just nail or tie to the overhanging load or whatever you want a highly visible warning of a potential hazard. Perforated roll flags come standard in 3.0 mil polyethylene with an available 8.0 mil polyethylene for custom applications. Perforated roll flags are mainly for warning of hazardous exposure to asbestos or benzene.



# WELCOME TO OUR COMPANY

**PRO-LINE SAFETY PRODUCTS** manufactures as well as distributes a complete line of safety products which include detectable underground marking tape, non-detectable underground marking tape, barricade tape, tracer wire, and safety vests. **PRO-LINE** implements strict quality control on all of our products. Our mission is to provide utility companies, municipalities, and the public with cost effective ways to locate and mark their underground utility lines.

Our research and development efforts have played an important role in how utility companies and municipalities have improved the safety of both their employees and utility lines, as well as protecting the general public. We are always looking for new ways to improve our products and welcome all comments or suggestions. **PRO-LINE** is currently working on new legislation for mandatory marking of all underground utility lines.

**PRO-LINE SAFETY PRODUCTS** belong to a wide variety of organizations and trade groups that support a safe environment from utility "dig-ins!" So join the **PRO-LINE** team and start marking those lines today!

## APWA UNIFORM COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

	PROPOSED EXCAVATION
	TEMPORARY SURVEY MARKINGS
	ELECTRIC LINES, CABLES CONDUIT & LIGHTING CABLE
	GAS, OIL, STEAM, OR GASEOUS MATERIALS
	COMMUNICATION, ALARM, SIGNAL CABLES
	POTABLE WATER LINES
	RECLAIMED WATER AND IRRIGATION LINES
	SEWER AND DRAIN LINES



### DETECT

Easy to detect with a simple non-ferrous metal locator



### LOCATE

Just dig down 4" to 6"



### IDENTIFY

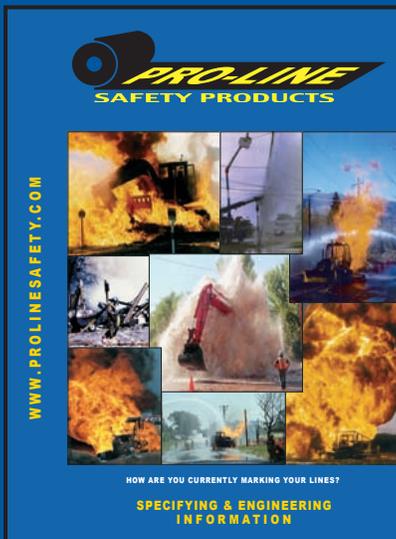
APWA Color Coding & printed verbiage for easy utility line identification



### PROTECT

Uncovered marking tape provides an immediate stop-sign effect for underground utilities.

## WWW.PROLINESAFETY.COM



Pro-Line Safety Products is proud to announce the arrival of our new engineering and specification booklet: "How Are You Currently Marking Your Lines?"

This new 16 page, four color booklet is now available to all specifying engineers, owners of utility lines, insurance companies, those responsible for protecting public safety, and customers. This new booklet is a MUST READ!

The purpose of the specification and engineering booklet is to make you more aware of the importance of locating and marking underground utility lines. The booklet can also be used as a reference for writing ordinances and legislation for mandatory marking requirements. Best of all, this booklet is free. Call today for your free copy!

▶ **DETECT**

▶ **LOCATE**

▶ **IDENTIFY**

▶ **PROTECT**

## WE COVER THE WORLD WITH SAFETY!

**PRO-LINE SAFETY PRODUCTS COMPANY**  
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