Tracer Wire

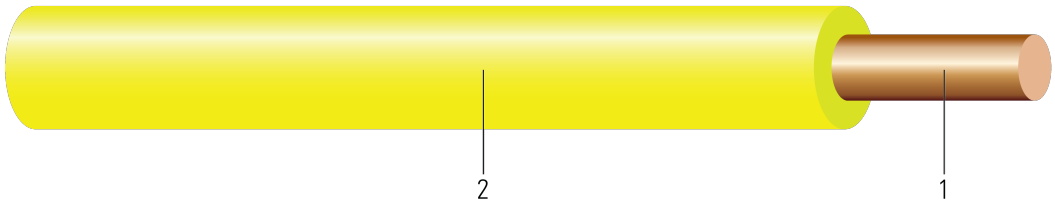


Image not to scale. See Table 1 for dimensions.

Insulation Colors

- Electrical Power Line
- Fiber Optic / Telecom
- Natural Gas Pipeline
- Potable Water Pipeline
- Reclaimed Water, Irrigation, or Slurry Lines
- Sewer Pipeline
- Pet Containment / Invisible Fence
- Pet Containment / Other / Misc
- Pet Containment / Other / Misc

CONSTRUCTION:

1. **Conductor:** Solid bare copper per ASTM B3
2. **Insulation:** Linear Low Density Polyethylene (LLDPE)

APPLICATIONS AND FEATURES:

- Used on golf course sprinkler, gas lines, direct burial applications, also can be used for animal containment
- 45 mil Linear Low Density Polyethylene LLDPE insulation thickness.
- Rated for 60ºC
- Rated for 600 volt
- For direct burial

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- UL 2989 Tracer Wire

Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Approx. OD	Approx. Weight
	AWG/Kcmil	No.	No.	inch	mil	inch	lb/1000ft
54489	18	1	SOLID	0.04	45	0.134	10
54490	16	1	SOLID	0.05	45	0.144	14
54491	14	1	SOLID	0.064	45	0.157	19
54492	12	1	SOLID	0.08	45	0.174	27
54493	10	1	SOLID	0.101	45	0.193	40
54494	8	1	SOLID	0.128	45	0.222	60

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

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Table 2 – Electrical and Engineering Data

Cond. Size	DC Resistance @ 25°C	AC Resistance @ 90°C	Inductive Reactance	Max Pull Tension	Min Bending Radius
AWG/Kcmil	Ω/1000ft	Ω/1000ft	Ω/1000ft	lb	inch
18	6.669	8.277	0.036		1
16	4.181	5.189	0.033		1.1
14	2.631	3.17	0.058		1.2
12	1.662	2.063	0.054		1.3
10	1.04	1.291	0.05		1.5
8	0.653	0.81	0.052		1.7

Table 3 Stock Code for Application

Insulation Color	Application	18 AWG	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG
Red	Electrical Power Line	5448904	5449004	5449104			
Orange	Fiber Optic / Telecom		5449003	5449103			
Yellow	Natural Gas Pipeline	5448902	5449002	5449102	5449202		5449402
Blue	Potable Water Pipeline	5448906		5449106	5449206	5449306 5449706	
Purple	Reclaimed Water, Irrigation, or Slurry Lines		5449013		5449207		
Green	Sewer Pipeline	5448905	5449005		5449205	5449305	
Black	Pet Containment / Invisible Fence		5449008	5449108	5449208		
White	Pet Containment / Other / Misc		5449001	5449101			
Brown	Pet Containment / Other / Misc					5449307	

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