Tracer Wire

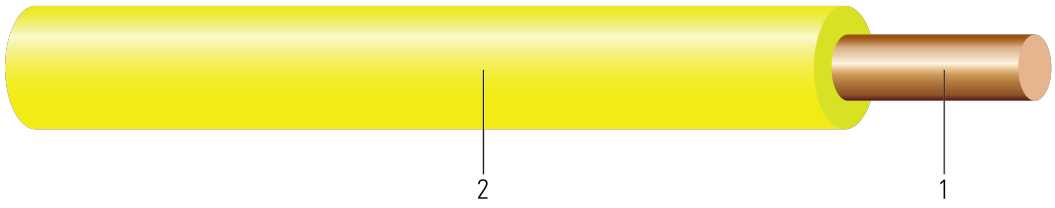

Image not to scale. See Table 1 for dimensions.

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 – Physical and Electrical Data

Stock Number	Cond. Size	Strand Class	Strand Count	Cond. Cmil	Cond. Number	Diameter Over Conductor	Insul. Thickness	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C
	AWG/ kcmil		No. of Strands	cmil	No.	inch	mil	inch	lb/1000ft	Ω/1000ft	Ω/1000ft
54494	8	Solid	Solid	16510	1	0.128	45	0.222	60	0.653	0.824

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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

Table 2 – Colors

Insulation Color	Application	Part Number					
		18 AWG	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG
Red	Electrical Power Line	54489__04	54490__04	54491__04			
Orange	Fiber Optic / Telecom		54490__03	54491__03			
Yellow	Natural Gas Pipeline	54489__02	54490__02	54491__02	54492__02		54494__02
Blue	Potable Water Pipeline	54489__06		54491__06	54492__06	54493__06 54497__06	
Purple	Reclaimed Water, Irrigation, or Slurry Lines		54490__13		54492__07		
Green	Sewer Pipeline	54489__05	54490__05		54492__05	54493__05	
Black	Pet Containment / Invisible Fence		54490__08	54491__08	54492__08		
White	Pet Containment / Other / Misc		54490__01	54491__01			
Brown	Pet Containment / Other / Misc					54493__07	

Copyright © 2026 Southwire Company, LLC. All Rights Reserved