# Tracer Wire

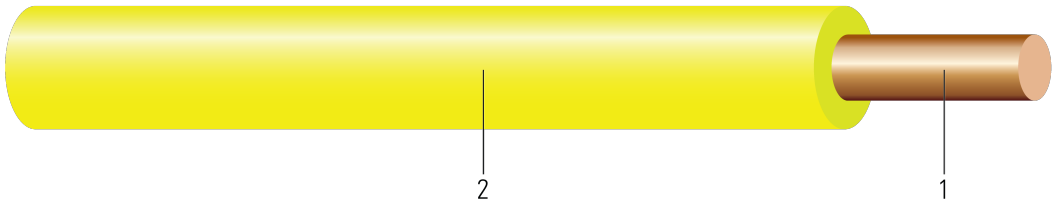


Image not to scale. See Table 1 for dimensions.

**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


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## 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 |
| 54490 | 16 | 1 | SOLID | 0.05 | 45 | 0.144 | 14 |

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

## Table 2 – Electrical and Engineering Data

| Cond. Size | DC Resistance @ 25°C | AC Resistance @ 90°C | Inductive Reactance | Min Bending Radius | Allowable Ampacity At 75°C | Allowable Ampacity At 90°C |
|---|---|---|---|---|---|---|
| AWG/ Kcmil | Ω/1000ft | Ω/1000ft | Ω/1000ft | inch | Amp | Amp |
| 16 | 4.181 | 5.189 | 0.033 | 1.1 | - | 18 |

## 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<br>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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