

Tracer Wire for Gas and Sprinkler Systems for Direct Burial



CONSTRUCTION:

1. **Conductor:** Solid bare copper per ASTM B3
2. **Insulation:** Polyethylene PE

APPLICATIONS AND FEATURES:

- Used on golf course sprinkler, gas lines, direct burial applications, also can be used for animal containment
- PE 45 mil Insulation Thickness
- 60°C, 600 volt
- For direct burial

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- UL 66 Fixture Wire

Table 1 – Weights and Measurements

| Stock Number | Cond. Size AWG/Kcmil | Strand Count No. of Strands | Diameter Over Conductor inch | Insul. Thickness mil | Approx. OD inch | Copper Weight lb/1000ft | Approx. Weight lb/1000ft |
|--------------|-------------------------|--------------------------------|---------------------------------|-------------------------|--------------------|----------------------------|-----------------------------|
| 5448906 | 18 | Solid | 0.040 | 45 | 0.134 | 5 | 10 |
| 5449013 | 16 | Solid | 0.050 | 45 | 0.144 | 8 | 14 |
| 5449108 | 14 | Solid | 0.064 | 45 | 0.157 | 13 | 19 |
| 5449209 | 12 | Solid | 0.080 | 45 | 0.174 | 20 | 27 |
| 5449306 | 10 | Solid | 0.101 | 45 | 0.193 | 32 | 40 |
| 5449402 | 8 | Solid | 0.128 | 45 | 0.222 | 50 | 60 |

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

| Stock Number | Cond. Size | Min Bending Radius | DC Resistance @ 25°C | AC Resistance @ 75°C | Allowable Ampacity At 75°C | Allowable Ampacity At 90°C |
|--------------|---------------|--------------------|----------------------|----------------------|----------------------------|----------------------------|
| | AWG/ Kcmil | inch | Ω/1000ft | Ω/1000ft | Amp | Amp |
| 5448906 | 18 | 1.0 | 6.669 | 8.425 | - | 14 |
| 5449013 | 16 | 1.1 | 4.181 | 5.282 | - | 18 |
| 5449108 | 14 | 1.2 | 2.631 | 3.323 | 20 | 25 |
| 5449209 | 12 | 1.3 | 1.662 | 2.100 | 25 | 30 |
| 5449306 | 10 | 1.5 | 1.040 | 1.314 | 35 | 40 |
| 5449402 | 8 | 1.7 | 0.653 | 0.824 | 50 | 55 |

