Tracer Wire for Gas and Sprinkler Systems for Direct Burial



Image not to scale. See Table 1 for dimensions.

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
- 60ºC, 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	Strand Count	Diameter Over Conductor	Insul. Thickness	Approx. OD	Copper Weight	Approx. Weight
	AWG/Kcmil	No. of Strands	inch	mil	inch	lb/1000ft	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

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UPDATED: March 12, 2024, 9:39 p.m.UTC REVISION: 1.000.008

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