30 Volt AC Underground Irrigation Cable, UL Listed

75°C, Sunlight Resistant, Direct Burial, Solid Bare Copper Wires

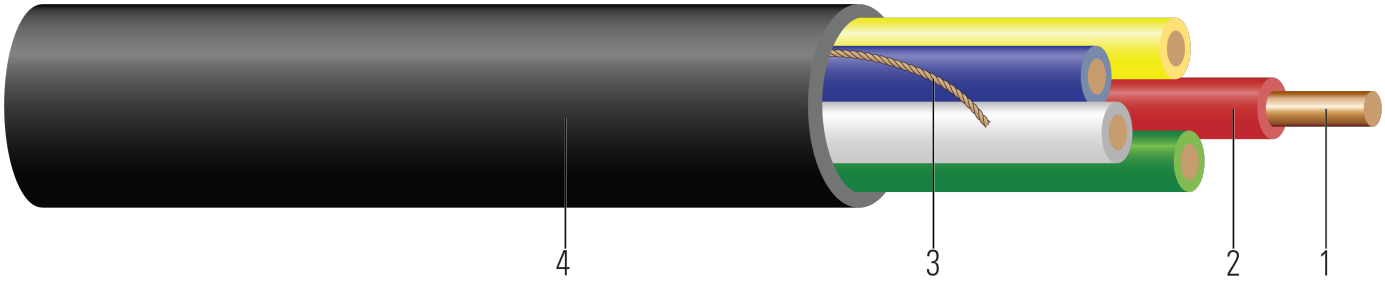


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** 18 AWG solid soft drawn bare copper per ASTM B3
2. **Insulation:** Polyethylene (PE)
3. **Rip Cord:** Rip cord for ease of jacket removal
4. **Jacket:** Black Polyethylene (PE)

APPLICATIONS AND FEATURES:

Southwire's low energy circuit underground irrigation cable are used for direct burial Sprinkler Systems. The cable is rated -20°C to 75°C.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- UL 1493 Underground Low-Energy Circuit Cable
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

SOUTHWIRE® E323920 18/XX UNDERGROUND LOW-ENERGY CIRCUIT CABLE 75C 30VAC (UL) -- {MM/DD/YY} {HH:MM}

PACKAGING:

Standard lengths: 250, 500 and 1,000 ft reels. Other lengths available upon request.

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Strand	Insul. Thickness	Overall Jacket Thickness	Approx. OD	Approx. Weight	Min Bending Radius	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz
	AWG/ Kcmil		No.	mil	mil	inch	lb/1000ft	inch	Ω/1000ft	Ω/1000ft	Ω/1000ft
5470208	18	2	SOLID	10	25	0.174	16	0.7	6.669	8.277	0.036
5470308	18	3	SOLID	10	25	0.184	22	0.7	6.669	8.277	0.036
5470408	18	4	SOLID	10	25	0.2	28	0.8	6.669	8.277	0.036
5470508	18	5	SOLID	10	25	0.217	34	0.9	6.669	8.277	0.036
5470608	18	6	SOLID	10	25	0.235	40	0.9	6.669	8.277	0.036
5470708	18	7	SOLID	10	25	0.235	46	0.9	6.669	8.277	0.036
5470808	18	8	SOLID	10	25	0.254	52	1	6.669	8.277	0.036
5470908	18	9	SOLID	10	25	0.273	59	1.1	6.669	8.277	0.036
5471008	18	10	SOLID	10	25	0.296	65	1.2	6.669	8.277	0.036
5471208	18	12	SOLID	10	25	0.305	77	1.2	6.669	8.277	0.036
5471308	18	13	SOLID	10	25	0.322	83	1.3	6.669	8.277	0.036

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

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Strand	Insul. Thickness	Jacket Thickness[1]	Approx. OD	Approx. Weight	Min Bending Radius	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz
	AWG/ Kcmil		No.	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	Ω/km
5470208	18	2	SOLID	0.25	0.64	4.42	24	17.78	21.88	27.16	0.1181
5470308	18	3	SOLID	0.25	0.64	4.67	33	17.78	21.88	27.16	0.1181
5470408	18	4	SOLID	0.25	0.64	5.08	42	20.32	21.88	27.16	0.1181
5470508	18	5	SOLID	0.25	0.64	5.51	51	22.86	21.88	27.16	0.1181
5470608	18	6	SOLID	0.25	0.64	5.97	60	22.86	21.88	27.16	0.1181
5470708	18	7	SOLID	0.25	0.64	5.97	68	22.86	21.88	27.16	0.1181
5470808	18	8	SOLID	0.25	0.64	6.45	77	25.40	21.88	27.16	0.1181
5470908	18	9	SOLID	0.25	0.64	6.93	88	27.94	21.88	27.16	0.1181
5471008	18	10	SOLID	0.25	0.64	7.52	97	30.48	21.88	27.16	0.1181
5471208	18	12	SOLID	0.25	0.64	7.75	115	30.48	21.88	27.16	0.1181
5471308	18	13	SOLID	0.25	0.64	8.18	124	33.02	21.88	27.16	0.1181

All dimensions are nominal and subject to normal manufacturing tolerances
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Table 3 – Color Code

Conductor Number	Insulation Color	
1	Red	
2	White	
3	Green	
4	Blue	
5	Yellow	
6	Brown	
7	Orange	
8	Black	
9	Pink	
10	Gray	
11	Tan	
12	Purple	
13	Natural	

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