30 Volt AC Underground Irrigation Cable, UL Listed

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

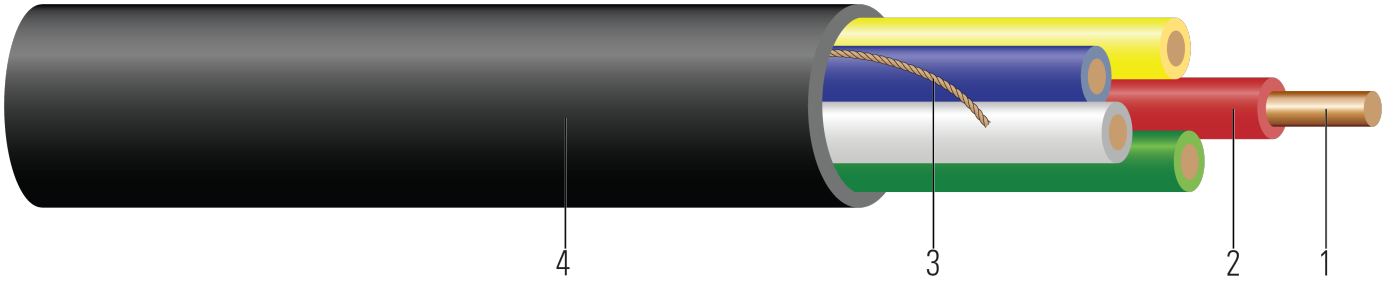

Image not to scale. See Table 1 for dimensions.

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
	AWG/Kcmil		No.	mil	mil	inch	lb/1000ft
54702	18	2	Solid	10	25	0.174	16
54703	18	3	Solid	10	25	0.184	22
54704	18	4	Solid	10	25	0.200	28
54705	18	5	Solid	10	25	0.217	34
54706	18	6	Solid	10	25	0.235	40
54707	18	7	Solid	10	25	0.235	46
54708	18	8	Solid	10	25	0.254	52
54709	18	9	Solid	10	25	0.273	59
54710	18	10	Solid	10	25	0.296	65
54712	18	12	Solid	10	25	0.305	77
54713	18	13	Solid	10	25	0.322	83

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
	AWG/Kcmil		No.	mm	mm	mm	kg/km
54702	18	2	Solid	0.25	0.64	4.42	24
54703	18	3	Solid	0.25	0.64	4.67	33
54704	18	4	Solid	0.25	0.64	5.08	42
54705	18	5	Solid	0.25	0.64	5.51	51
54706	18	6	Solid	0.25	0.64	5.97	60
54707	18	7	Solid	0.25	0.64	5.97	68
54708	18	8	Solid	0.25	0.64	6.45	77
54709	18	9	Solid	0.25	0.64	6.93	88
54710	18	10	Solid	0.25	0.64	7.52	97
54712	18	12	Solid	0.25	0.64	7.75	115
54713	18	13	Solid	0.25	0.64	8.18	124

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

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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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