30 Volt AC Underground Irrigation Cable, UL Listed

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

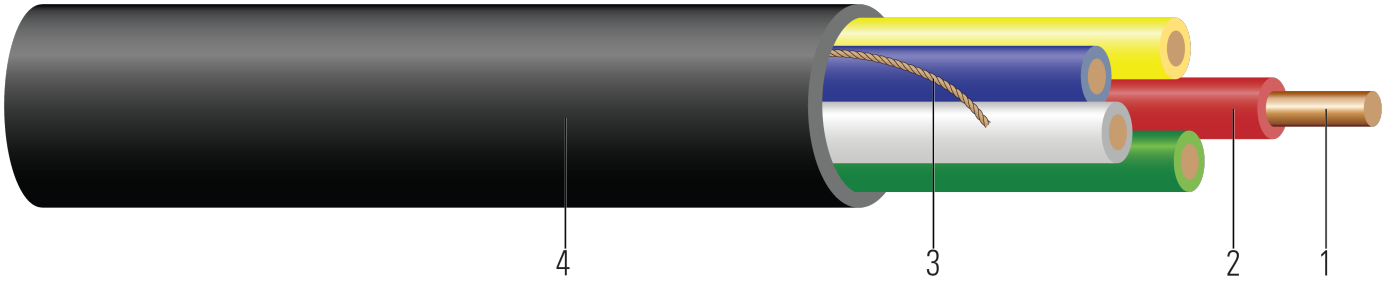

Image not to scale. See Table 1 for dimensions.

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.

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
5470708	18	7	SOLID	10	25	0.235	46	0.9	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)

5470708	18	7	SOLID	0.25	0.64	5.97	68	22.86	21.88	27.16	0.1181

All dimensions are nominal and subject to normal manufacturing tolerances

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

◊ Cable marked with this symbol is a standard stock item

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	

Copyright © 2026 Southwire Company, LLC. All Rights Reserved