



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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## 30V PE/PE Underground Low-Energy Circuit Cable

### Construction Parameters:

**CONDUCTOR:** 18 AWG Solid Bare Copper

**INSULATION:** Polyethylene (PE)

#### COLOR CODE CHART:

1	Red	6	Brown	11	Tan	16	Blue/White	21	Pink/White
2	White	7	Orange	12	Purple	17	Yellow/White	22	Gray/White
3	Green	8	Black	13	Natural	18	Brown/White	23	Tan/White
4	Blue	9	Pink	14	Red/White	19	Orange/White	24	Purple/White
5	Yellow	10	Gray	15	Green/White	20	Black/White	25	Natural/White

**JACKET:** Black Polyethylene (PE)

**PRINT LEGEND:** SOUTHWIRE® E323920 18/C UNDERGROUND LOW-ENERGY CIRCUIT CABLE 75C 30VAC (UL) ---  
 DIRECT BURIAL -- XX/XX/XX (MONTH/DAY/YEAR) HH:MM (HOUR/MINUTE) SEQ FTG

### PHYSICAL PROPERTIES:

**TEMPERATURE RANGE:** -20°C to 75°C

**SUNLIGHT RESISTANT:** Yes

### ELECTRICAL PROPERTIES:

**VOLTAGE RATING:** 30V rms, Max

### Industry Approvals:

- o UL SUBJECT 1493 Underground Low-Energy Circuit Cable
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method
- o Suitable For Direct Burial Applications

Part Number	Gauge	No. Cond.	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight	
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km
54702	18	2	Solid	0.016	0.41	0.026	0.66	0.174	4.42	19	28
54703	18	3	Solid	0.016	0.41	0.026	0.66	0.184	4.67	29	43
54704	18	4	Solid	0.016	0.41	0.026	0.66	0.200	5.08	35	52
54705	18	5	Solid	0.016	0.41	0.026	0.66	0.217	5.51	41	61
54706	18	6	Solid	0.016	0.41	0.026	0.66	0.235	5.97	47	70
54707	18	7	Solid	0.016	0.41	0.026	0.66	0.235	5.97	53	79
54708	18	8	Solid	0.016	0.41	0.026	0.66	0.254	6.45	60	89
54709	18	9	Solid	0.016	0.41	0.026	0.66	0.273	6.93	67	100
54710	18	10	Solid	0.016	0.41	0.026	0.66	0.296	7.52	74	110
54712	18	12	Solid	0.016	0.41	0.026	0.66	0.305	7.75	87	129
54713	18	13	Solid	0.016	0.41	0.026	0.66	0.322	8.18	94	140
54716	18	16	Solid	0.016	0.41	0.026	0.66	0.339	8.61	115	171
54719	18	19	Solid	0.016	0.41	0.026	0.66	0.357	9.07	134	199
54725	18	25	Solid	0.016	0.41	0.032	0.81	0.430	10.92	179	266

*Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.*

This product complies with European Directive 2011/65/EU (RoHS-2)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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Customer Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Customer Approval: \_\_\_\_\_ Customer Title: \_\_\_\_\_

Specification Issue Date: January 26, 2016