

UNDERGROUND LOW ENERGY CIRCUIT CABLE

INSULATION: PVC

JACKET: PE WITH NYLON RIP CORD

SIZE: 18 AWG

2-25 CONDUCTORS

UL LISTED FOR DIRECT BURIAL



1.0 **SCOPE:**

For connecting the 24 volt irrigation 1.1 controller outputs to the solenoid valves. Also used in many other direct burial applications.

2.0 **PHYSICAL SPECIFICATIONS:**

Multiple conductors of solid bare copper 2.1 meeting ASTM B-3, insulated with .015" of 80°C color coded PVC insulation, are cabled with .025" of an extruded PE jacket with a nylon rip cord. This cable is suitable for direct burial, rated 30 volts UL listed. Outer Jacket is UV and sunlight resistant.

3.0 **MANUFACTURER'S IDENTIFICATION:**

Surface marked with Paige Electric P7183D, 18 AWG and number of conductors, 30V, direct burial sprinkler system wire, UL file number, sequential footage every 2 feet maximum.

4.0 SPLICING RECOMMENDATIONS

Underground splices shall be made in accordance with National Electrical Code® Articles 300.5 (Underground Installations) and 110.14 (Electrical Connections) using 3M DBY-6 or DBR-6 connectors, which are UL listed under "UL 486D-Direct Burial", for wet or damp locations, 600 volts. Connectors that are not listed at all, or listed under UL Standard UL 486C as "Compression Connectors", shall not be allowed.

CONSTRUCTION: 5.0

5.1 **Put-Ups:** 250, 500, 1000 and 2500 feet. Other custom put-ups available

upon request.

5.2

NO. OF COND. COLOR OUTSIDE DIAMETER WEIGHT LBS/MFT 1 RED - - 2 WHITE .1 9 5 2 1 3 BLUE .2 0 5 2 7 4 GREEN .2 2 5 3 5 5 BROWN .2 4 5 4 3 6 BLACK .2 6 5 5 4 7 YELLOW .2 8 0 5 8 8 ORANGE .2 9 0 6 6 9 PURPLE .3 1 0 7 5 10 GRAY .3 2 5 8 4 11 TAN - - 12 PINK .3 4 0 9 6 13 LIGHT BLUE .3 5 5 1 0 4 14 WHITE W/ BLUE STRIPE - - 15 WHITE W/ BLACK STRIPE - - 16 WHITE W/ RED STRIPE - - 17 WHITE W/ RED STRIPE - - 19 BLUE W/ WHITE STRIPE <				
1 RED - - 2 WHITE .195 21 3 BLUE .205 27 4 GREEN .225 35 5 BROWN .245 43 6 BLACK .265 54 7 YELLOW .280 58 8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN - - 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE - - 15 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE - - 18 RED W/ WHITE STRIPE - - 19 BLUE W/ WHITE STRIPE - - 20 GREEN W/ WHITE STRIPE - -	NO. OF	COLOR	OUTSIDE	
2 WHITE .195 21 3 BLUE .205 27 4 GREEN .225 35 5 BROWN .245 43 6 BLACK .265 54 7 YELLOW .280 58 8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN - - 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE - - 15 WHITE W/ BLOK STRIPE - - 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE - - 18 RED W/ WHITE STRIPE - - 19 BLUE W/ WHITE STRIPE - - 20 GREEN W/ WHITE STRIPE - -		DED		rp3/ ML1
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4 GREEN .225 35 5 BROWN .245 43 6 BLACK .265 54 7 YELLOW .280 58 8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE 15 WHITE W/ BLACK STRIPE 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE 18 RED W/ WHITE STRIPE 19 BLUE W/ WHITE STRIPE 20 GREEN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 22 BLACK W/ WHITE STRIPE 23 YELLOW W/WHITE STRIPE	2	WHITE	.195	21
5 BROWN .245 43 6 BLACK .265 54 7 YELLOW .280 58 8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN - - 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE - - 15 WHITE W/ BLACK STRIPE - - 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE - - 18 RED W/ WHITE STRIPE - - 19 BLUE W/ WHITE STRIPE - - 20 GREEN W/ WHITE STRIPE - - 21 BROWN W/ WHITE STRIPE - - 21 BROWN W/ WHITE STRIPE - - 23 YELLOW W/WHITE STRIPE	3	BLUE	.205	27
6 BLACK .265 54 7 YELLOW .280 58 8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE 15 WHITE W/ BLOK STRIPE 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE 18 RED W/ WHITE STRIPE 19 BLUE W/ WHITE STRIPE 20 GREEN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 22 BLACK W/ WHITE STRIPE 23 YELLOW W/WHITE STRIPE 24 ORANGE W/WHITE STRIPE	4	GREEN	. 2 2 5	3 5
7 YELLOW .280 58 8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN	5	BROWN	. 2 4 5	4 3
8 ORANGE .290 66 9 PURPLE .310 75 10 GRAY .325 84 11 TAN 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE 15 WHITE W/ BLACK STRIPE 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE 18 RED W/ WHITE STRIPE 19 BLUE W/ WHITE STRIPE 20 GREEN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 22 BLACK W/ WHITE STRIPE 23 YELLOW W/WHITE STRIPE	6	BLACK	. 2 6 5	5 4
9 PURPLE .310 75 10 GRAY .325 84 11 TAN 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE 15 WHITE W/ BLACK STRIPE 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE 18 RED W/ WHITE STRIPE 19 BLUE W/ WHITE STRIPE 20 GREEN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 21 BROWN W/ WHITE STRIPE 22 BLACK W/ WHITE STRIPE 23 YELLOW W/WHITE STRIPE	7	YELLOW	. 280	5 8
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11 TAN - - 12 PINK .340 96 13 LIGHT BLUE .355 104 14 WHITE W/ BLUE STRIPE - - 15 WHITE W/ BLACK STRIPE - - 16 WHITE W/ BROWN STRIPE .383 128 17 WHITE W/ RED STRIPE - - 18 RED W/ WHITE STRIPE - - 19 BLUE W/ WHITE STRIPE - - 20 GREEN W/ WHITE STRIPE - - 21 BROWN W/ WHITE STRIPE - - 22 BLACK W/ WHITE STRIPE - - 23 YELLOW W/WHITE STRIPE - - 24 ORANGE W/WHITE STRIPE - -	9	PURPLE	.310	7 5
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15	13	LIGHT BLUE	.355	104
16	14	WHITE W/ BLUE STRIPE	-	-
17	15	WHITE W/ BLACK STRIPE	-	-
1 8 RED W/ WHITE STRIPE - - - - - - 15 0 - <td>16</td> <td>WHITE W/ BROWN STRIPE</td> <td>.383</td> <td>128</td>	16	WHITE W/ BROWN STRIPE	.383	128
1 9 BLUE W/ WHITE STRIPE . 4 0 5 1 5 0	17	WHITE W/ RED STRIPE	-	-
2 0 GREEN W/ WHITE STRIPE - -	18	RED W/ WHITE STRIPE	-	-
2 1 BROWN W/ WHITE STRIPE - -	19	BLUE W/ WHITE STRIPE	.405	150
2	20	GREEN W/ WHITE STRIPE	-	-
2 3 YELLOW W/WHITE STRIPE	21	BROWN W/ WHITE STRIPE	-	•
2 4 ORANGE W/WHITE STRIPE	2 2	BLACK W/ WHITE STRIPE	-	-
	23	YELLOW W/WHITE STRIPE	-	-
2.5 PURPLE W/WHITE STRIPE . 4.7.0 1.9.3	2 4	ORANGE W/WHITE STRIPE	-	-
,	25	PURPLE W/WHITE STRIPE	.470	193