

## UNDERGROUND LOW ENERGY CIRCUIT CABLE

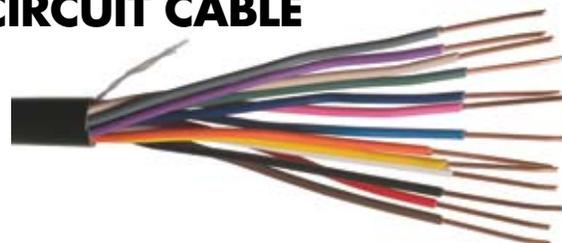
INSULATION: **PVC**

JACKET: **PE WITH NYLON RIP CORD**

SIZE: **18 AWG**

**2-25 CONDUCTORS**

UL LISTED FOR DIRECT BURIAL



### 1.0 SCOPE:

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

### 2.0 PHYSICAL SPECIFICATIONS:

2.1 Multiple conductors of solid bare copper 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.

### 5.0 CONSTRUCTION:

#### 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	.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/ BLACK STRIPE	-	-
16	WHITE W/ BROWN STRIPE	.383	128
17	WHITE W/ RED STRIPE	-	-
18	RED W/ WHITE STRIPE	-	-
19	BLUE W/ WHITE STRIPE	.405	150
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	-	-
25	PURPLE W/WHITE STRIPE	.470	193