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spec P7183D - Rev 14

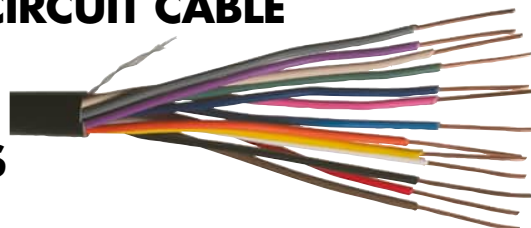
UNDERGROUND LOW ENERGY CIRCUIT CABLE

INSULATION: **PVC**

JACKET: **PE WITH NYLON RIP CORD**

SIZE: **18 AWG, 2-25 CONDUCTORS**

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. Listed by UL or ETL or CSA.

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. 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 low energy circuit cable, Listing file number, sequential footage every 2 feet maximum, RoHS.

4.0 LISTING:

All cables shall be tested physically and electrically in accordance with UL standard 1493. All reels and cartons bear listing labels.

5.0 SPLICING RECOMMENDATIONS

Wire splices are the weak link of any electrical circuit. It is especially important to make proper joints in irrigation systems because the joints are exposed to wet and damp environments that can cause corrosion of the copper conductor and premature failure. Here are Paige Electric's recommendations:

- For direct burial, above ground, or in valve box installations: Model DBR/Y-6 as manufactured by the 3M Company (Paige specification P7364D)
- For installation above ground or in valve boxes: Models 316IR or MGC as manufactured by the 3M Company (Paige specification P7365D), or Silicone-filled wire nuts as manufactured by IDEAL Industries (Paige specification P7372D)

6.0 CONSTRUCTION:

6.1 Put-Ups:

250, 500, 1000 and 2500 feet. Other custom put-ups available upon request.

6.2

PART NO.	NO. OF COND.	COLOR	OUTSIDE DIAMETER	WEIGHT LBS/MFT
-	1	RED	-	-
180010	2	WHITE	.195	21
180019	3	BLUE	.205	27
180020	4	GREEN	.225	35
180030	5	BROWN	.245	43
180040	6	BLACK	.265	54
180050	7	YELLOW	.280	58
180060	8	ORANGE	.290	66
180070	9	PURPLE	.310	75
180080	10	GRAY	.325	84
-	11	TAN	-	-
180090	12	PINK	.340	96
180091	13	LIGHT BLUE	.355	104
-	14	WHITE W/ BLUE STRIPE	-	-
-	15	WHITE W/ BLACK STRIPE	-	-
180055	16	WHITE W/ BROWN STRIPE	.383	128
-	17	WHITE W/ RED STRIPE	-	-
-	18	RED W/ WHITE STRIPE	-	-
180058	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	-	-
180066	25	PURPLE W/ WHITE STRIPE	.470	193

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