P.O. Box 368. Union, NJ 07083-0368, 908-687-7810, 800-327-2443, Fax: 908-687-2722

Paige® irrigation spec **P7072D-REV 14**

SPECIAL DIRECT BURIAL IRRIGATION CONTROL CABLE

INSULATION: **POLYVINYL CHLORIDE**

JACKET: **IMPREGNATED POLYETHYLENE**

SIZES: **14-12 AWG, 2 CONDUCTOR**

1.0 SCOPE:

1.1 This specification covers construction requirements for a 2-conductor control cable design consisting of tin coated copper conductors, insulated with PVC and having a high density polyethylene direct burial jacket. Conductors are listed as Type UF by UL or ETL or CSA.

2.0 CONSTRUCTION:

2.1

NO. OF COND.	SIZE (AWG)	INS. WALL (MILS)	JACKET WALL (MILS)	O.D.	WEIGHT LBS/M
2	14	60	45	.280" x .470"	83
2	12	60	45	.300" x .505"	105

2.2 ***Conductor:***
Soft annealed tin coated solid copper conforming to ASTM B-33.

2.3 ***Insulation:***
Polyvinyl Chloride conforming to UL Standard 493 for TYPE UF/TWU rated 60°C.

2.4 ***Color Coding:***
Black, Red

2.5 ***Cable Assembly:***
Insulated conductors are laid parallel.

2.6 ***Outer Jacket:***
Pressure Extruded High Density PE conforming to ICEA S-61-402, and NEMA WC5 Jacket Thickness 3/64" minimum jacket material to completely fill interstices between the two insulated conductors.

2.7 ***Jacket Color:***
Several

2.8 ***Surface Print:***
"PAIGE ELECTRIC P7072D SIZE 2C VOLTAGE DIRECT BURIAL SUNLIGHT RESISTANT FOR MAXI/2-WIRE SYSTEMS" RoHS.

Maxi is a trademarks of Rain Bird Corporation.

3.0 SPLICING RECOMMENDATIONS:

3.1 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. Paige Electric recommends the strict use of Model DBR/Y-6, as manufactured by the 3M Company (Paige specification P7364D)