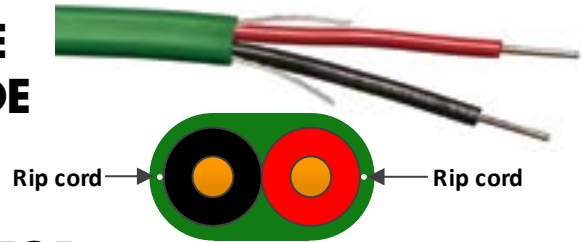


SPECIAL DIRECT BURIAL
IRRIGATION CONTROL CABLE
INSULATION: POLYVINYL CHLORIDE
JACKET: IMPREGNATED
POLYETHYLENE
SIZES: 14-12 AWG, 2 CONDUCTOR



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. Inner conductors are listed as Type UF/TWU by UL or ETL or CSA.

2.0 CONSTRUCTION:

2.1

NO. OF COND.	SIZE (AWG)	INS. WALL (MM)	JACKET WALL (MM)	O.D. (MM)	WEIGHT LBS/M
2	14	1.52	1.14	7.11 x 11.93	83
2	12	1.52	1.14	7.62 x 12.82	105

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

2.3 Insulation:
Polyvinyl Chloride, Black and Red.

2.4 Listings:
Inner conductors shall be tested physically and electronically in accordance with UL Standards 493 and 83. They should also be tested to CSA Rule C.22.2 No.75.

2.5 Cable Assembly:
Insulated conductors are laid parallel.

2.6 Rip Cord:

Dual rip cords shall be inserted as shown between the inner conductors and the outer jacket.

2.7 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.

2.8 Jacket Color:
Several

2.9 Surface Print:

"PAIGE ELECTRIC P7072D SIZE 2C VOLTAGE* DIRECT BURIAL SUNLIGHT RESISTANT FOR MAXI, TORO, RAIN MASTER AND 2-WIRE SYSTEMS" RoHS. Maxi is a trademarks of Rain Bird Corporation. Toro and Rain Master are Trademarks of The Toro Co.

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)

* The inner conductors are rated and labeled as 600V. The 48V rating on the print legend of the outer jacket is intentional, so as to prevent the use of this "irrigation cable" as "building wire." The normal uses for this cable are for Rain Bird Maxi, Toro, Rain Master and 2-wire systems, for which the applied/operating voltage is well below the 48V rating.