

**DIRECT BURIAL
GOLF COURSE SPRINKLER WIRE**
INSULATION: **POLYETHYLENE**
SIZES: **1.5mm² - 6.0mm²**



1.0 SCOPE:

1.1 This specification covers single conductor insulated wires from 1.5mm² to 6.0mm², utilizing low density high molecular weight polyethylene insulation, suitable for direct burial applications for operating temperatures up to 60°C. Listed by UL or ETL or CSA.

2.0 CONSTRUCTION:

2.1 Conductors:

Soft Drawn Bare Copper meeting the requirements of ASTM B-3 or B-8.

2.2 Temperature Rating:

-55°C to +60°C

2.3 Construction Data:

CONDUCTOR SIZE	CIRCULAR MIL AREA IN CIRCULAR MILS	INSULATION THICKNESS
1.5mm ²	2960	1.15MM
2.5mm ²	4933	1.15MM
4.0mm ²	7893	1.15MM
6.0mm ²	11838	1.15MM

2.4 Manufacturer's Identification:

Surface marked with Paige Electric, voltage rating, size and type, Listing file number, RoHS.

2.5 Listing:

All cables shall be tested physically and electrically in accordance with UL Standard 493, and 83. All reels and cartons bear Listing labels.

3.0

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 3161R or MGC as manufactured by the 3M Company (Paige specification P7365D), or Silicone-filled wire nuts as manufactured by IDEAL Industries (Paige specification P7372D)