



# Paige<sup>®</sup> spec P7079D - Rev 15

## GOLF COURSE SPRINKLER WIRE INSULATION: POLYETHYLENE SIZES: 14 AWG - 10 AWG SOLID



### 1.0 SCOPE:

**1.1** This specification covers single conductor insulated wire sizes 14 AWG, through 10 AWG, 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 Conductor:

Soft drawn bare copper meeting the requirements of ASTM specification B-3 or B-8.

#### 2.2 Temperature Rating:

-55°C +60°C.

#### 2.3 Insulation Thickness:

.045"

#### 2.4 Sunlight Resistance:

Available as an option

#### 2.5 Manufacturer's Identification:

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

#### 2.6 Listing for Golf Course Sprinkler Wire:

All wire listed for use in the USA shall be tested physically and electrically in accordance with UL Standard UL 1551. These wires will carry a 600V rating. Paige part numbers will be 150XXX.

Dual rated wire, listed for use in the USA and Canada, shall be tested physically and electrically in accordance with UL Standards 493 & 83, and CSA Rule C22.2 No. 35. These wires will carry a 30V rating. Paige part numbers will be 150XXXC.

The construction of the above described wires are identical.

### 2.7 Outside Diameters:

AWG	Nominal O.D. (inches)
14	0.154
12	0.171
10	0.192

### 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 31 6IR or MGC as manufactured by the 3M Company (Paige specification P7365D), or Silicone-filled wire nuts as manufactured by IDEAL Industries (Paige specification P7372D)