



DIRECT BURIAL DECODER CABLES GOLF COURSE SPRINKLER WIRE

INSULATION: **HIGH DENSITY POLYETHYLENE**
SIZES: **14 & 12 AWG, SOLID, 2 CONDUCTOR**



1.0 SCOPE:

1.1 This specification covers single conductor insulated wire utilizing high density polyethylene insulation, twisted, suitable for direct burial applications for operation up to 600 volts and conductor 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:
Insulation thickness shall be 0.075". Conductor colors are as follows and shall be twisted with a 4" lay.

| Paige Part Numbers | | Wire Color #1 | Wire Color #2 |
|--------------------|------------|---------------|---------------|
| 14 AWG | 12 AWG | | |
| 170116BKRD | 170117BKRD | Black | Red |
| 170116BKWT | 170117BKWT | | White |
| 170116BKOG | 170117BKOG | | Orange |
| 170116BKBU | 170117BKBU | | Blue |
| 170116BKYL | 170117BKYL | | Yellow |
| 170116BKPR | 170117BKPR | | Purple |
| 170116BKTN | 170117BKTN | | Tan |
| 170116BKGN | 170117BKGN | | Green |
| 170116BKGY | 170117BKGY | | Gray |

2.4 Print Legend (both wires):

PAIGE ELECTRIC 14 & 12 AWG PE UL NUMBER 600V SPRINKLER SYSTEM WIRE DIRECT BURIAL.

2.5 Listing:

All cables shall be tested physically and electrically in accordance with UL 1551.

2.6 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. Paige Electric recommends the strict use of Model DBR/Y-6, as manufactured by the 3M Company (Paige specification P7364D) for splices of 14 AWG 2 or 3 conductors. For 12 AWG and splices of 4 to 6 conductors, Paige Electric recommends its Re-enterable connectors (Paige Specification P7408D)

2.7 Put-Ups:

500', 1000', 2500' and odds