



**DIRECT BURIAL DECODER CABLES
GOLF COURSE SPRINKLER WIRE
INSULATION: POLYETHYLENE**



SIZES: 14 AWG - 10 AWG AND 2.5mm², SOLID, 2 CONDUCTOR

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, twisted, suitable for direct burial applications for operation up to 600 volts and conductor temperatures up to 60°C. UL listed.

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 0.060". Conductor colors are as follows and shall be twisted with a 4" lay.

PAIGE PART NO.	GAUGE	WIRE COLOR #1	WIRE COLOR #2
170116RB	14	RED	BLUE
170109B	12	RED	BLUE

2.4 Manufacturer's Identification:

Surface marked with Paige-Electric, PE-60, voltage rating, size and type, and UL file number.

2.5 Underwriters' Laboratories Approval:

All cables shall be tested physically and electrically in accordance with UL Standard 493, and 83 (paragraphs 28.1, 29.1 and 29.2). All reels and cartons bear UL labels.

2.6 Tests:

Material must be able to pass the following tests without showing signs of degradation.

2.6.1 COLD BEND:

The insulation shall not show any cracks when sample is bent around a mandrel of 3 x wire diameter, after being subjected to -55°C ± 1°C for one (1) hour.

2.6.2 ELECTRICAL:

AC test voltage, 5 minutes at 3,000 volts.

2.6.3 ENVIRONMENTAL AGING:

Immersed for 14 days in concentrated solutions of fertilizers, herbicides and insecticides.

2.7 Splicing Recommendations:

Splicing should be accomplished in accordance with articles 300.5 (Underground Installations) and 110.14 (Electrical Connections) using 3M DBY-6 or DBR-6 connectors, which are UL listed under UL 486D-Direct Burial, up to 600 volts.