



P.O. Box 368, Union, NJ 07083-0368, 908-687-7810, 800-327-2443, Fax: 908-687-2722

P7002D-Rev 1



**DIRECT BURIAL
LOW ENERGY CIRCUIT WIRE
INSULATION: POLYVINYL CHLORIDE
SIZES: 18 AWG AND 16 AWG**



1.0 SCOPE:

- 1.1** This specification covers the construction requirements for underground (direct burial) low energy circuit wire for use in accordance with the National Electrical Code for operation at 150 volts or less rated 60°C.

2.0 CONSTRUCTION:

2.1

SIZE AWG	STRANDING	INSULATION WALL (MILS)	APPROX. DIAMETER (INCHES)	CURRENT CARRY CAPACITY*
18	SOLID	.045	.130	10 AMPS
16	SOLID	.045	.141	13 AMPS

2.2 Conductor:

Soft-annealed, uncoated copper conforming to ASTM B-3 or B-8.

2.3 Insulation:

Polyvinyl chloride, 60°C rated conforming to UL standards 493 and 83.

2.4 Manufacturer's Identification:

Surface marked with Paige-Electric, 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.