



**Paige** spec

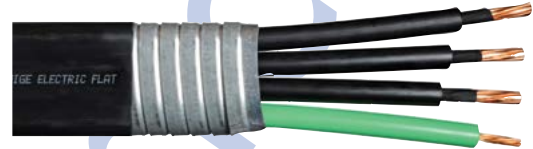
**P7324AM-SP**



**HEAVY-DUTY MINING CABLE**

**FLAT SUBMERSIBLE pumpwire**  
**3 CONDUCTOR**  
**WITH GROUND Tuf-hide® CABLE**  
 INSULATION: **XLPE**  
 JACKET: **POLYVINYL CHLORIDE**  
 SIZES: **2 AWG & 4 AWG**

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**1.0 APPLICATIONS:**

**1.1** 5000 Volt, Submersible Pump Cable with cross-linked thermosetting polyethylene (XLPE) insulated circuit and grounding conductors, with an overall polyvinyl chloride (PVC) jacket. The cable is suitable for use within well casings for wiring deep-well submersible water pumps.

**2.0 CONSTRUCTION:**

**2.1 Phase Conductor/Standard: 2 AWG**

Soft drawn copper, ASTM B3, B496  
 Cross Section: 33.63mm<sup>2</sup>; 66360cmil  
 Stranding Class: Compacted  
 Strands: 7 x 2.585mm; 7 x 101.8mils  
 Diameter: 6.81mm; 268cmil  
 DC Resistance: 0.523ohm/km; 0.159ohm/kft

**2.2 Conductor Shield: Black XLPE**

Thickness: 0.80mm; 31mils  
 Diameter: 15.03mm; 592mils

**2.3 Insulation: Black XLPE**

Thickness: 3.18mm; 125mils  
 Diameter: 15.03mm; 592mils

**2.5 Assembly: Paralleled**

Phase Conductors: 3  
 Grounding Conductors: 1  
 Assembly Diameter: 15.03mm; 592mils  
 Assembly Width: 60.12mm; 2367mils

**2.1.1 Phase Conductor/Standard: 4 AWG**

Cross Section: 21.153mm<sup>2</sup>; 41740cmil  
 Stranding Class: Compacted  
 Strands: 7 x 2.05; 7 x 80.7mils  
 Diameter: 5.40mm; 213cmil  
 DC Resistance: 0.831ohm/km; 0.253ohm/kft

**2.1.2 Conductor Shield: Black XLPE**

Thickness: 0.80mm; 125mils  
 Diameter: 7.05mm; 278mils

**2.1.3 Insulation: Black XLPE**

Thickness: 3.18mm; 125mils  
 Diameter: 13.60mm; 536mils

**2.1.4 Assembly: Paralleled**

Phase Conductors: 3  
 Grounding Conductors: 1  
 Assembly Diameter: 13.60mm; 538mils  
 Assembly Width: 54.42mm; 2142mils

**3.1 Grounding Conductor/Standard: 6 AWG**

Soft drawn copper, ASTM B3, B496  
 Cross Section: 13.30mm<sup>2</sup>; 26240cmil  
 Stranding Class: Compacted  
 Strands: 7 x 1.625mm; 7 x 64.0mils  
 Diameter: 4.28mm; 169cmil  
 DC Resistance: 1.336ohm/km; 0.407ohm/kft

**3.2 Insulation: Black Green**

Thickness: 5.22mm; 206mils  
 Diameter: 15.03mm; 592mils

**3.3 Armor: Galvanized Steel Tape**

Tape Thickness: 0.51mm; 20mils

**3.5 Overall Jacket: PVC**

Thickness: 2.03mm; 80mils

**3.6 General Data:**

Total Diameter: 21.3mm; 837mils  
 Total Width: 66.3mm; 2612mils  
 Approximate Total Weight: 2.77 Kg/m; 1.86lb/ft  
 Operating Temperature: 90°C; 194°F

**3.1.1 Grounding Conductor/Standard: 8 AWG**

Soft drawn copper, ASTM B3, B496  
 Cross Section: 8.37mm<sup>2</sup>; 16510cmil  
 Stranding Class: Compacted  
 Strands: 7 x 1.289mm; 7 x 50.7mils  
 Diameter: 3.39mm; 133cmil  
 DC Resistance: 2.123ohm/km; 0.647ohm/kft

**3.1.2 Insulation: Black Green**

Thickness: 4.95mm; 195mils  
 Diameter: 13.60mm; 535mils

**3.1.3 Armor: Galvanized Steel Tape**

Tape Thickness: 0.51mm; 20mils

**3.1.4 Overall Jacket: PVC**

Thickness: 2.03mm; 80mils

**3.1.5 General Data:**

Total Diameter: 19.8mm; 781mils  
 Total Width: 60.6mm; 2387mils  
 Approximate Total Weight: 2.20 Kg/m; 1.48lb/ft  
 Operating Temperature: 90°C; 194°F

**We're Big in Big pump cable.**