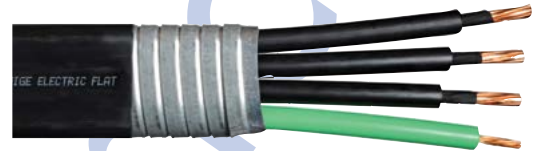




FLAT SUBMERSIBLE pumpwire
3 CONDUCTOR
WITH GROUND Tuf-hide® CABLE
 INSULATION: **XLPE**
 JACKET: **POLYVINYL CHLORIDE**
 SIZES: **2 AWG & 4 AWG**



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: 33.63mm²; 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: 21.153mm²; 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: 13.30mm²; 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: 8.37mm²; 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