

**FLAT SUBMERSIBLE HYDROFLEX  
 600 VOLT NO GROUND PUMP CABLE**

INSULATION: **ETHYLENE PROPYLENE RUBBER**

INNER JACKET: **BLUE NBR/PVC**

OUTER JACKET: **CLEAR PAIGE Tuf-hide**

SIZES: **8 -2/0 AWG - 3 CONDUCTOR, 90°C DRY/75°C WET**



**1.0 APPLICATIONS:**

**1.1** Flat submersible pump cables for use within the well casing for deep-well water pumps, off-shore applications where flexible cut resistant properties are required. Cable is integral filled to eliminate gas wicking possibilities.

**2.0 CONSTRUCTION:**

**2.1 Conductors:**

Extra-flexible stranded uncoated annealed copper conforming to ASTM B-3 and B-174 or 173. A suitable separator tape shall be applied over the conductor.

**2.2 Insulation:**

Ethylene Propylene Rubber conforming to ICEA S-68-516, Part 3.6 and UL Class 45, Table 50.55.

**2.3 Color Code:**

Insulation colored Black, Yellow, and Red.

**2.4 Cable Assembly:**

The three insulated conductors are laid parallel in the sequence Black, Yellow, Red.

**2.5 Inner Jacket:**

Heavy duty blue thermosetting NBR/PVC (Nitrile) rubber conforming to UL 1581, Table 50.87. The jacket shall be extruded so as to fill the valleys between the insulated conductors.

**2.6 Markings:**

The inner jacket surface shall be printed with white ink as follows:  
 "PAIGE ELECTRIC (SIZE) AWG NO. OF/ COND. HYDRO-FLEX SUBMERSIBLE PUMP CABLE 00V. 90C DRY 75C WET E 18966 (UL)"  
 Other information may be provided when specifically requested.

**2.7 Outer Jacket:**

A clear, abrasion resistant Paige "Tuf-Hide" jacket shall be extruded over the inner NBR/PVC jacket.

**3.0 Physical:**

NUMBER OF CONDUCTORS	CONDUCTOR SIZE	STRANDING	INSULATION THICKNESS XLPE	JACKET THICKNESS	NOMINAL CABLE O.D.		TOTAL WEIGHT
	AWG		MIL	MIL	Inches	mm	lbs/MFT*
3	8	164/.0100"	45	45	0.475 x 0.980	12.065 x 24.892	
3	6	259/.0100"	45	45	0.520 x 1.005	13.208 x 25.527	
3	4	413/.0100"	45	45	0.575 x 1.260	14.605 x 32.004	
3	2	651/.0100"	45	45	0.625 x 1.430	15.875 x 36.322	1350
3	2/0	1308/.0100"	55	60	0.815 x 1.940	20.701 x 49.276	2250

