

**FLAT YELLOW SUBMERSIBLE  
PUMP CABLE 600 VOLTS TYPE THW  
3 CONDUCTORS WITH GROUND**

INSULATION: **PVC - POLYVINYL CHLORIDE**

SIZES: **14 AWG – 6 AWG**

**90°C DRY / 75°C WET**



**1.0 Applications:**

- 1.1** Flat, Submersible pump cable PVC insulation without jacket suitable for use within well casings for wiring deep well fresh or salt water submersible pumps.

**2.0 Construction:**

- 2.1 Conductors:**  
Each conductor shall be "Class C" stranded, soft-annealed, uncoated.
- 2.2 Insulation:**  
The insulation shall be TW" style polyvinyl chloride having a nominal wall thickness of .047". The physical properties are indicated in Part 3.0, herein.
- 2.3 Configuration:**  
Flat and , parallel configuration consisting of stranded uncoated copper conductors insulated with "TW" style polyvinyl chloride.
- 2.4 Color of Jacket:**  
Yellow.

**2.5 Polarity and Markings:**

- One outside leg has a black stripe  
One outside leg has a green stripe  
One inside leg printed in red ink  
One inside leg no markings.

**3.0 Insulation Properties:**

- Tensile Strength, Min.psi:.....1500  
Elongation @ rupture, min.:%: .....100  
*After Air Oven Test @ 100°C for 168 hrs.*  
Tensile Strength, Min.:% of unaged value:.....65  
Elongation @ rupture, min.:% of unaged value: .....65  
*After Oil Immersion @ 70°C for 4 hrs.*  
Tensile Strength, Min.:% of unaged value:.....85  
Elongation @ rupture, min.:% of unaged value: .....85  
Heat Shock @ 121°C:.....No Cracks  
Cold Bend @ -10°C:.....No Cracks  
Dielectric Strength:.....30,00 Volts

#### 4.0 Approvals:

##### 4.1. UL:

4.1.1 Standard 83

#### 5.0 Dimensions:

PAIGE PART #	NUMBER OF INSULATED CONDUCTORS	CONDUCTOR SIZE AWG	GROUNDING CONDUCTOR SIZE AWG	INSULATION THICKNESS		NOMINAL DIAMETER	CABLE WEIGHT (LB/MFT*)	AMPACITY 30°C AMBIENT TEMP.
				inches	mm			
020400	2	14	14	0.045	1.143	.168 x .534	69	15
020401	2	12	12	0.045	1.143	.190 x .570	96	20
020402	2	10	10	0.045	1.143	.211 x .663	138	30
020403	3	14	14	0.045	1.143	.168 x .717	91	15
020404	3	12	12	0.045	1.143	.190 x .752	128	20
020405	3	10	10	0.045	1.143	.211 x .836	184	30
020406	3	8	10	0.060	1.524	.268 x 1.056	269	50
020407	3	6	8	0.060	1.524	.306 x 1.230	401	65
020408	3	4	8	0.060	1.524	.352 x 1.322	561	85

Ampacities (Amps per conductor) are based on 30°C ambient temperature in air. 90°C conductor temperature per the 2002NEC Table 400-5 (B)