



pumpwire
WE SPECIALIZE IN SUBMERSIBLES

spec P7344-SP

**FLAT-WEBBED FLEXIBLE PUMP CABLE
600 VOLT HYDROFLEX METHANE GAS
3 CONDUCTOR WITH GROUND THHN/PVC
INSULATION: PVC – POLYVINYL CHLORIDE
JACKET: PVC - POLYVINYL CHLORIDE
SIZES: 10 AWG – 4 AWG
90°C DRY / 75°C WET**



1.0 Applications:

1.1 Cable is rated for use in Deep Well Submersible Methane Gas Applications at temperatures not to exceed 75°C wet. Yellow, webbed cable is specifically designed with highly flexing conductors and a tough, yellow jacket whose webbing does not allow gas to migrate through minute gaps between insulated conductors.

2.0 Construction:

- 2.1 Conductors:**
Soft drawn bare copper conductor as per ASTM B3 and B8, class K, extra flexible.
- 2.2 Insulation:**
PVC meeting UL83 requirements for type THHN and THWN cables.
- 2.3 Conductor Jacket:**
Nylon jacket extruded directly over PVC per UL83.
- 2.4 Ground Conductor:**
Soft drawn bare copper conductor as per ASTM B3 and B8, class K, extra flexible. Ground conductor is insulated with PVC/Nylon, overall diameter shall equal the insulated circuit conductors.

2.5 Color Code:

Insulation: Black, Yellow, Red
Ground Conductor: Green
Outer Jacket: Yellow

2.6 Assembly:

All conductors laid in flat and parallel, individually encapsulated. Estimated separation: 0.5 to 1 mm (not a standard requirement).

2.7 Overall Jacket:

Safety yellow PVC overall jacket meeting the requirements of UL83.

2.8 Manufacturing Standards:

The manufacturing and test control of HYDROFLEX METHANE GAS are based on the UL83 standard, The trial tests to assure the quality control are made as frequent and under the conditions established in the Quality Control System ISO-9001:2000.

2.9 Identification:

“PAIGE ELECTRIC HYDROFLEX METHANE WEBBED SUBMERSIBLE PUMP CABLE 600V (UL) 75C .

3.0 Dimensions:

PAIGE PART #	CONDUCTOR SIZE (AWG)	NUMBER OF INSULATED CONDUCTORS	GROUNDING CONDUCTOR SIZE (AWG)	POWER CONDUCTOR STRANDING			INSULATION THICKNESS		JACKET THICKNESS		TOTAL WEIGHT	
				# of Strands	Dia. of Strands Inches	Dia. of Strands mm	Inches	mm	Inches	mm	(lbs)	kgs/km
020036WEB	10	3	10	104	0.010	0.257	0.020	0.508	0.030	0.760	679	308.3
020046WEB	8	3	10	168	0.010	0.257	0.030	0.760	0.045	1.140	1373	622.8
020056WEB	6	3	8	266	0.010	0.257	0.030	0.760	0.045	1.140	2048	929.1
020066WEB	4	3	8	420	0.010	0.257	0.040	1.010	0.045	1.140	2822	1280.0

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