Paige pumpwire
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spec P7326-SP

FLAT SUBMERSIBLE PUMP CABLE
EXTRA FLEXIBLE HYDROFLEX
600/2000 VOLTS, 3 CONDUCTOR
WITH OR WITHOUT GROUND

INSULATION: **(EPR) ETHYLENE PROPYLENE**
JACKET: **(CPE) CHLORINATED POLYETHYLENE RUBBER**
SIZES: **4 - 500 MCM**
90˚C WET/DRY, Min. Ambient Temp. -40˚C

RoHS COMPLIANT

1.0 Applications:

1.1 Extra Flexible, high ampacity, Flat Rubber Submersible Pump Cable for use within well casings for wiring deep-well submersible water pumps, mining applications. Hydroflex is especially efficient for use in municipal applications, cold weather, flame retardant and high ampacity requirements.

2.0 Construction:

2.1 Conductors:
Soft Bare, annealed copper per ASTM B3 and ASTM B172, **Flexible, Rope-lay-stranded**.

2.2 Insulation:
Ethylene-propylene rubber (EPR) as per clause 7.2.4 of UL 44 plus faced rubber filled binder tape. The insulation is acceptable for use in locations at 90˚C.

2.3 Ground Conductor:
Soft Bare, annealed copper per ASTM B3 and ASTM B172 Flexible Rope-lay-stranded. Insulation EPR 90˚C and the nominal overall diameter shall equal the insulated circuit conductors.

2.4 Assembly:
The insulated circuit and grounding conductors are laid flat and parallel together. The jacket will be applied directly over the insulated conductors encapsulating them.

2.5 Jacket:
Black Extra Heavy Duty thermosetting 90˚C rated chlorinated polyethylene rubber (CPE) which meets requirements of Par. 3.21 if ICEA S-75-381 and clause 7.2.6 of UL 44. Neoprene optional jacket available.

2.6 Color Code:
Black, yellow, red and green with yellow stripe grounding conductor.

2.7 Surface Markings:
The overall jacket (CPE) will have the following information printed: PAIGE ELECTRIC HYDROFLEX SUBMERSIBLE PUMP CABLE NUMBER AND “size (AWG) of conductors”, EPR/CPE 6--/2000V 90˚C (UL).

2.8 Approvals:
MSHA: P-07-KA060001-MSHA
UL: E193954

3.0 Dimensions:

PAIGE PART #	CONDUCTOR SIZE (AWG)	NUMBER OF INSULATED CONDUCTORS	GROUNDING CONDUCTOR SIZE (AWG)	POWER CONDUCTOR STRANDING	NOMINAL INSULATION THICKNESS		CABLE O.D.		CABLE WEIGHT (LB/MFT)	AMPACITY @ 30˚C AMBIENT TEMP. *
					INCHES	MM	INCHES	MM		
070004NG	4	3	N/A	412 x 0.01	0.06	1.52	1.43 X 0.67	36.4 x 17.0	806	95
070002NG	2	3	N/A	259 x 0.0159	0.06	1.52	1.65 x 0.72	41.8 x 18.2	1209	130
070010NG	1/0	3	N/A	414 x 0.0159	0.08	2.03	1.98 x 0.87	50.4 x 22.1	1867	170
070020NG	2/0	3	N/A	522 x 0.0159	0.08	2.03	2.13 x 0.92	54.0 x 23.3	2172	195
070040NG	4/0	3	N/A	829 x 0.0159	0.08	2.03	2.36 x 1.14	60.0 x 29.0	2842	260
070250NG	250	3	N/A	973 x 0.0159	0.095	2.41	2.93 x 1.33	74.6 x 33.9	3894	290
070350NG	350	3	N/A	361 x 0.0159	0.095	2.41	3.15 x 1.41	80.0 x 35.8	5106	350
070500NG	500	3	N/A	1921 x 0.0159	0.095	2.41	3.74 x 1.56	95.1 x 39.7	6920	430
070004	4	3	6	412 x 0.01	0.06	1.52	1.83 X 0.67	46.4 x 17.0	1118	95
070002	2	3	5	259 x 0.0159	0.06	1.52	2.04 x 0.72	51.8 x 18.2	1470	130
070010	1/0	3	3	414 x 0.0159	0.08	2.03	2.54 x 0.87	64.4 x 22.1	2270	170
070020	2/0	3	2	522 x 0.0159	0.08	2.03	2.75 x 0.92	69.8 x 23.3	2710	195
070040	4/0	3	1/0	829 x 0.0159	0.08	2.03	3.39 x 1.14	86.0 x 29.0	3615	260
070250	250	3	2/0	973 x 0.0159	0.095	2.41	3.92 x 1.33	99.6 x 33.9	4990	290
070350	350	3	3/0	361 x 0.0159	0.095	2.41	4.22 x 1.41	107.2 x 35.8	6450	330
070500	500	3	250	1921 x 0.0159	0.095	2.41	4.83 x 1.56	122.8 x 39.7	8533	430

*Ampacities (Amps per conductor) are based on 30˚C ambient temperature. 90˚C conductor temperature copper per the NEC Table 310-16.

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