Paige® pumpwire
WE SPECIALIZE IN SUBMERSIBLE CABLES

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spec P7305-SP

SUBMERSIBLE PUMP EXTRA FLEXIBLE MOTOR LEAD CABLE 600/2000 VOLTS

INSULATION: **EPR - ETHYLENE-PROPYLENE RUBBER**

JACKET: **CPE - CHLORINATED POLYETHYLENE**

SIZES: **14 AWG – 1111 AWG SINGLE CONDUCTOR**

90°C DRY / 90°C WET

1.0 APPLICATIONS:

1.1 Single conductor cable, designed for uses requiring flexible heavy duty power cables. For portable or fixed installations, leads for motors, generators, batteries, jumper cables or deep well submersible pump calbe. Dual rated Type DLO. Impact, Abrasion, Ozone, Sun, Weather, Heat, Oil, and Flame resistant.

2.0 FEATURES:

2.1
- UL listed RHH/RHW-2 600v & 2000v
- Rated 2kV DLO, 1kV RW90
- 90°C (dry), 90°C (wet)
- Ozone, sunlight, oils, grease, weather, chemical and abrasion resistant jacket and chemicals.
- Tray cable (TC) rated RW-90 CSA
- MSHA, VW-1, SUN RES, FOR CT USE for sizes 1/0AWG and larger and for black jacket
- Limited Smoke (LS) ST 1 in accordance with (UL) 1685

3.0 CONSTRUCTION:

3.1 ***Nominal Voltage:***
RHH/RHW-2 600 and 2000V, R90 CSA, RW90 C9UL), 1kV, DLO 2kV.

3.2 ***Conductors:***
Annealed flexible stranded tin coated copper conductor in accordance with ASTM B-172, ASTM B-33.

3.3 ***Cable Reinforcement:***
Power conductors and cured rubber fillers cabled together. Single faced rubber filled binder tape applied over the assembly for mechanical protection.

3.4 ***Separator:***
A suitable tape separator between the conductor and insulation.

3.5 ***Insulation:***
Ethylene-propylene rubber (EPR) type EP, meeting UL, CSA and ICEA requirements for 90°C

3.6 ***Jacket:***
A heavy duty, thermosetting CPE or CP compound in accordance with ICEA S-68-516 NEMA WC-8.

3.7 ***Color of Jacket:***
Black; Other colors available.

4.0 APPROVALS:

4.1 **MSHA:** *P-7268080-01-MSHA (CPE)*

4.2 **UL:** *E193954 (CPE Jacket) RHW-2 90°C Wet and Dry, VW-1, Sun Res, for 1/0 and larger ST-1, FT-4, IEEE1202, for CT use.*

4.3 **C(UL):** *E19354: "(TYPE) RW90 EP"; "1000V"; "FT1"*

4.4 **CSA:** *1101209 (LL103932): "205591" or "103932"; RW-90 90°C; "FT1"; "FT4"; "-40°C"; "OIL RES" (CPE) TC (Tray Cable) SR (Sun Res) 1/0 and larger.*

5.0 Dimensions

Paige Part #	Power Conductor Size	Power Conductor Stranding	Conductor Diameter	Nominal Insulation Thickness	Nominal Jacket Thickness	Maximum O.D.		Approximate Weight		Ampacity (1) 30°C Ambient Temp.
	AWG or MCM	No. of Stranding	inches	inches	inches	inches	mm	(lb/1000)	kgs/km	
DL014	14	19/27	0.074	0.045	0.030	0.236	6.0	25	37	35
DL012	12	19/25	0.094	0.045	0.030	0.256	6.5	46	68	40
DL010	10	27/24	0.128	0.045	0.030	0.290	7.4	67	100	55
DL08	8	37/24	0.147	0.060	0.030	0.333	8.5	95	141	80
DL06	6	61/24	0.207	0.060	0.030	0.403	10.2	134	199	105
DL04	4	105/24	0.264	0.060	0.030	0.461	11.7	192	286	140
DL02	2	150/24	0.314	0.060	0.030	0.510	13.0	248	369	190
DL01	1	225/24	0.390	0.080	0.045	0.650	16.5	428	637	220
DL01/0	1/0	275/24	0.420	0.080	0.045	0.700	17.8	480	714	260
DL02/0	2/0	325/24	0.460	0.080	0.045	0.740	18.8	558	830	300
DL03/0	3/0	450/24	0.555	0.080	0.045	0.815	20.7	742	1104	350
DL04/0	4/0	550/24	0.587	0.080	0.045	0.870	22.1	872	1298	405
DL0262	262 MCM	650/24	0.660	0.095	0.065	0.990	25.1	1068	1589	471
DL0313	313 MCM	775/24	0.725	0.095	0.065	1.055	26.8	1258	1872	511
DL0373	373 MCM	925/24	0.787	0.095	0.065	1.125	28.6	1462	2176	590
DL0444	444 MCM	1100/24	0.870	0.095	0.065	1.205	30.6	1726	2568	656
DL0535	535 MCM	1325/24	0.950	0.110	0.065	1.305	33.1	2047	3046	731
DL0646	646 MCM	1600/24	1.040	0.110	0.065	1.410	35.8	2416	3595	815
DL0777	777 MCM	1925/24	1.130	0.110	0.065	1.500	38.1	2881	4287	905
DL0929	929 MCM	2300/24	1.208	0.120	0.065	1.610	40.9	3455	5142	1005
DL01111	1111 MCM	2750/24	1.370	0.125	0.095	1.800	45.7	4077	6067	1115

Ampacities (Amps per conductor) are based on 30°C ambient temperature in air. 90°C conductor temperature per the 2002NEC Table 310.17