

**SUBMERSIBLE PUMP EXTRA FLEXIBLE
MOTOR LEAD CABLE 600/2000 VOLTS**
INSULATION: **EPR-ETHYLENE PROPYLENE RUBBER**
OUTER JACKET: **CPE**
SIZES: **16 AWG – 1111 AWG SINGLE CONDUCTOR**
90°C DRY / 90°C WET



1.0 Applications:

- 1.1** Single conductor submersible pump cable, submersible motor cable and motor lead. Dual rated submersible Type DLO. Impact, Abrasion, Ozone, Sun, Weather, Heat, Oil, and Flame resistant.

2.0 Features:

- Excellent flexibility
- Sunlight resistant
- Heavy-duty jackets
- Resistant to most oils and chemicals.
- Abrasion resistant
- Flame retardant

3.0 Construction:

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

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

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

3.3 Insulation:

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

3.4 Jacket:

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

3.6 Color of Jacket:

Black; Other colors available.

4.0 Approvals:

- MSHA:** P-7268080-01-MSHA (CPE)
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.
C(UL): E19354: "(TYPE) RW90 EP"; "1000V"; "FT1"
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.		APPROX. WEIGHT		AMPACITY 30°C AMBIENT TEMP.
	AWG OR MCM	NO. OF STRANDING	inches	inches	inches	inches	mm	lbs/1000	lgs/km	
DLO14	14 AWG	19/27 AWG	0.074	0.045	0.030	0.236	6.0	25	37	35
DLO12	12 AWG	19/25 AWG	0.094	0.045	0.030	0.256	6.5	46	68	40
DLO10	10 AWG	27/24 AWG	0.128	0.045	0.030	0.290	7.4	67	100	55
DLO8	8 AWG	37/24 AWG	0.147	0.060	0.030	0.333	8.5	95	141	80
DLO6	6 AWG	61/24 AWG	0.207	0.060	0.030	0.403	10.2	134	199	105
DLO4	4 AWG	105/24 AWG	0.264	0.060	0.030	0.461	11.7	192	286	140
DLO2	2 AWG	150/24 AWG	0.314	0.060	0.030	0.510	13.0	248	369	190
DLO1	1 AWG	225/24 AWG	0.390	0.080	0.045	0.650	16.5	428	637	220
DLO1/0	1/0 AWG	275/24 AWG	0.420	0.080	0.045	0.700	17.8	480	714	260
DLO2/0	2/0 AWG	325/24 AWG	0.460	0.080	0.045	0.740	18.8	558	830	300
DLO3/0	3/0 AWG	450/24 AWG	0.555	0.080	0.045	0.815	20.7	742	1104	350
DLO4/0	4/0 AWG	550/24 AWG	0.587	0.080	0.045	0.870	22.1	872	1298	405
DLO262	262 MCM	650/24 AWG	0.660	0.095	0.065	0.990	25.1	1068	1589	471
DLO313	313 MCM	775/24 AWG	0.725	0.095	0.065	1.055	26.8	1258	1872	511
DLO373	373 MCM	925/24 AWG	0.787	0.095	0.065	1.125	28.6	1462	2176	590
DLO444	444 MCM	1100/24 AWG	0.870	0.095	0.065	1.205	30.6	1726	2568	656
DLO535	535 MCM	1325/24 AWG	0.950	0.110	0.065	1.305	33.1	2047	3046	731
DLO646	646 MCM	1600/24 AWG	1.040	0.110	0.065	1.410	35.8	2416	3595	815
DLO777	777 MCM	1925/24 AWG	1.130	0.110	0.065	1.500	38.1	2881	4287	905
DLO929	929 MCM	2300/24 AWG	1.208	0.120	0.065	1.610	40.9	3455	5142	1005
DLO1111	1111 MCM	2750/24 AWG	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

