



Paige SPEC

P7305M-GCC-DLO



TYPE DLO/RHH/RHW-2/RW90

EXTRA FLEXIBLE

SINGLE CONDUCTOR

CABLE 600/2000 VOLTS

INSULATION: (EPR) ETHYLENE-PROPYLENE RUBBER

JACKET: (CPE) CHLORINATED POLYETHYLENE

SIZES: 16 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 cables. 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

3.4 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.

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.

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	
DLO14	14	19/27	0.074	0.045	0.030	0.236	6.0	25	37	35
DLO12	12	19/25	0.094	0.045	0.030	0.256	6.5	46	68	40
DLO10	10	27/24	0.128	0.045	0.030	0.290	7.4	67	100	55
DLO8	8	37/24	0.147	0.060	0.030	0.333	8.5	95	141	80
DLO6	6	61/24	0.207	0.060	0.030	0.403	10.2	134	199	105
DLO4	4	105/24	0.264	0.060	0.030	0.461	11.7	192	286	140
DLO2	2	150/24	0.314	0.060	0.030	0.510	13.0	248	369	190
DLO1	1	225/24	0.390	0.080	0.045	0.650	16.5	428	637	220
DLO1/0	1/0	275/24	0.420	0.080	0.045	0.700	17.8	480	714	260
DLO2/0	2/0	325/24	0.460	0.080	0.045	0.740	18.8	558	830	300
DLO3/0	3/0	450/24	0.555	0.080	0.045	0.815	20.7	742	1104	350
DLO4/0	4/0	550/24	0.587	0.080	0.045	0.870	22.1	872	1298	405
DLO262	262 MCM	650/24	0.660	0.095	0.065	0.990	25.1	1068	1589	471
DLO313	313 MCM	775/24	0.725	0.095	0.065	1.055	26.8	1258	1872	511
DLO373	373 MCM	925/24	0.787	0.095	0.065	1.125	28.6	1462	2176	590
DLO444	444 MCM	1100/24	0.870	0.095	0.065	1.205	30.6	1726	2568	656
DLO535	535 MCM	1325/24	0.950	0.110	0.065	1.305	33.1	2047	3046	731
DLO646	646 MCM	1600/24	1.040	0.110	0.065	1.410	35.8	2416	3595	815
DLO777	777 MCM	1925/24	1.130	0.110	0.065	1.500	38.1	2881	4287	905
DLO929	929 MCM	2300/24	1.208	0.120	0.065	1.610	40.9	3455	5142	1005
DLO1111	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