



Paige spec

P7305M-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**
- Use on AC off track equipment such as miners, shuttle cars, cutting machines, loading machines, drills, conveyors, and pumps
 - Power to open pit strip and deep mines
 - For applications requiring ground check conductor for added safety.



2.0 FEATURES:

- 2.1**
- Excellent Flexibility
 - High ozone, sun, weather and flame resistant
 - Rated and flexible at -40°C
 - Excellent impact and abrasion resistant
 - Oil and heat resistant
 - Indent printed for easy identification

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.

3.0 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.

3.7 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

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.
					inches	mm	(lb/1000)	kgs/km	
14	19/27	0.074	0.045	0.030	0.236	6.0	25	37	35
12	19/25	0.094	0.045	0.030	0.256	6.5	46	68	40
10	27/24	0.128	0.045	0.030	0.290	7.4	67	100	55
8	37/24	0.147	0.060	0.030	0.333	8.5	95	141	80
6	61/24	0.207	0.060	0.030	0.403	10.2	134	199	105
4	105/24	0.264	0.060	0.030	0.461	11.7	192	286	140
2	150/24	0.314	0.060	0.030	0.510	13.0	248	369	190
1	225/24	0.390	0.080	0.045	0.650	16.5	428	637	220
1/0	275/24	0.420	0.080	0.045	0.700	17.8	480	714	260
2/0	325/24	0.460	0.080	0.045	0.740	18.8	558	830	300
3/0	450/24	0.555	0.080	0.045	0.815	20.7	742	1104	350
4/0	550/24	0.587	0.080	0.045	0.870	22.1	872	1298	405
262 MCM	650/24	0.660	0.095	0.065	0.990	25.1	1068	1589	471
313 MCM	775/24	0.725	0.095	0.065	1.055	26.8	1258	1872	511
373 MCM	925/24	0.787	0.095	0.065	1.125	28.6	1462	2176	590
444 MCM	1100/24	0.870	0.095	0.065	1.205	30.6	1726	2568	656
535 MCM	1325/24	0.950	0.110	0.065	1.305	33.1	2047	3046	731
646 MCM	1600/24	1.040	0.110	0.065	1.410	35.8	2416	3595	815
777 MCM	1925/24	1.130	0.110	0.065	1.500	38.1	2881	4287	905
929 MCM	2300/24	1.208	0.120	0.065	1.610	40.9	3455	5142	1005
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