904-543-1223, 800-997-2443, Fax: 904-543-1330, www.paigeelectric.com

Paige spec P7279M-GGC

HEAVY-DUTY MINING CABLE

TYPE GGC MINING ROUND FLEXIBLE PORTABLE POWER CABLE

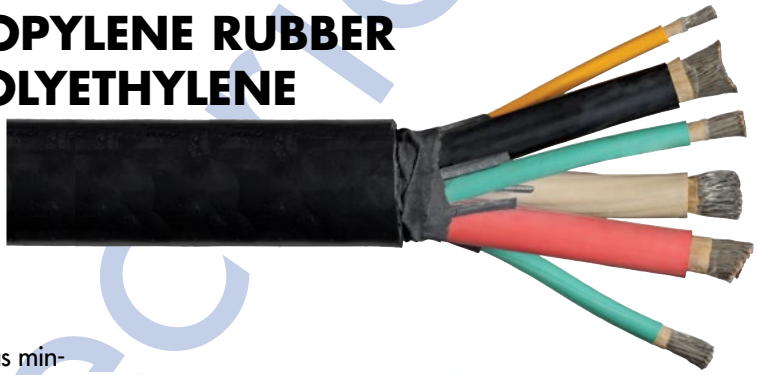
WITH GROUND & GROUND CHECKS

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

JACKET: **(CPE) CHLORINATED POLYETHYLENE**

SIZES: **8 AWG - 500 MCM, 2-3 CONDUCTORS**

600/2000 VOLTS, 90°C



RoHS COMPLIANT · c UL us · CSA · U.S. Department of Labor MSHA Mine Safety & Health Administration · UL

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

3.0 CONSTRUCTION:

3.1 ***Conductor:***
Annealed flexible stranded bare or tin coated in accordance with ASTM B-172 and ICEA S-75-81.

3.2 ***Insulation:***
Ethylene-propylene rubber (EPR).

3.3 ***Color Coding:***
Color coding of power conductors shall be black, white red in accordance with Par. 3.18 of ICEA S-75-81.

3.4 ***Grounding Conductors:***
Annealed tin coated copper according to Tab. 3-12 of ICEA S-75-81.

3.5 ***Ground Check:***
Annealed tin coated copper according to Tab. 3-12 of ICEA S-75-81. Color of insulation is yellow.

3.6 ***Assembly:***
Three power, ground check and two grounding green EPR insulated conductors cabled with cured rubber fillers as required to make an essentially round core.

3.7 ***Cable Reinforcement:***
Single faced rubber filled binder tape applied overall.

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

3.8 ***Jacket:***
A CPE thermosetting compound, extra or extra heavy duty in accordance with Par. 3.21 of ICEA S-75-81; Neoprene and TPU optional jacket available. Black, other colors available.

4.0 APPROVALS:

MSHA: *P-7K-268101 (CPE); P-7K-268077 (NEOPRENE); P-07-KA030001 (TPU)*
UL: *E207132*
CUL: *E207132*
CSA: *1523058 (LR 103932)*

5.0 Dimensions

Conductor Size	Number of Insulated Conductors	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Cable Weight		Ampacity (1) 30°C Ambient Temp.
AWG or MCM		No. of Stranding	Ground	Ground Check	inches	inches	inches	mm	(lb/ mft*)	kgs/ km	
8	3	133 7 x 19	10	10	0.060	0.134	0.97	24.6	632	941	59
6	3	133 7 x 19	10	10	0.060	0.146	1.05	26.7	752	1119	79
4	3	259 7 x 37	8	10	0.060	0.146	1.19	30.2	1130	1682	104
2	3	259 7 x 37	7	10	0.060	0.165	1.34	34.0	1532	2280	138
1	3	259 7 x 37	6	8	0.080	0.170	1.51	38.4	1940	2901	161
1/0	3	266 19 x 14	5	8	0.080	0.170	1.65	41.9	2292	3411	186
2/0	3	342 19 x 18	4	8	0.080	0.190	1.75	44.5	2658	3955	215
3/0	3	418 19 x 22	2	8	0.080	0.197	1.89	48.0	3300	4910	249
4/0	3	532 19 x 28	2	8	0.080	0.205	2.04	51.8	4058	6039	287
250 MCM	3	627 19 x 33	2	8	0.095	0.280	2.39	60.7	4807	7153	320
350 MCM	3	888 37 x 24	1/0	8	0.095	0.252	2.68	68.1	6247	9296	394
550 MCM	3	1221 37 x 33	2/0	8	0.095	0.315	3.03	77.0	8426	12539	487

Ampacities (Amps per conductor) are based on 30°C ambient temperature in air. 90°C conductor temperature per the 2002NEC Table 400-5 (B)