



Paige SPEC

P7279M-GGC



**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**



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 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.

3.0 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.

3.7 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

Paige Part #	Conductor Size	Number of Insulated Conductors	Power Conductor Stranding No. of Stranding	Size		Nominal Insulation Thickness inches	Nominal Jacket Thickness inches	Nominal O.D.		Cable Weight		Ampacity (1) 30°C Ambient Temp.
	AWG or MCM			Ground	Ground Check			inches	mm	(lb/mft*)	kgs/km	
070402	8	3	133 7 x 19	10	10	0.060	0.134	0.97	24.6	632	941	59
070403	6	3	133 7 x 19	10	10	0.060	0.146	1.05	26.7	752	1119	79
070404	4	3	259 7 x 37	8	10	0.060	0.146	1.19	30.2	1130	1682	104
070405	2	3	259 7 x 37	7	10	0.060	0.165	1.34	34.0	1532	2280	138
070406	1	3	259 7 x 37	6	8	0.080	0.170	1.51	38.4	1940	2901	161
070407	1/0	3	266 19 x 14	5	8	0.080	0.170	1.65	41.9	2292	3411	186
070408	2/0	3	342 19 x 18	4	8	0.080	0.190	1.75	44.5	2658	3955	215
070409	3/0	3	418 19 x 22	2	8	0.080	0.197	1.89	48.0	3300	4910	249
070410	4/0	3	532 19 x 28	2	8	0.080	0.205	2.04	51.8	4058	6039	287
070411	250 MCM	3	627 19 x 33	2	8	0.095	0.280	2.39	60.7	4807	7153	320
070412	350 MCM	3	888 37 x 24	1/0	8	0.095	0.252	2.68	68.1	6247	9296	394
070413	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)