

# PORTABLE POWER CABLE

## Type G (or G-GC) Round



MSHA Listed  
OSHA Acceptable

**Portable Power Cable • EPDM Insulation • Thermoset Jacket**  
**8 AWG - 500 KCMIL • 2000 Volts • 90°C Wet or Dry**

### FEATURES

- UL listed
- OSHA acceptable
- Passes MSHA flame test (P-XXX-MSHA)
- Excellent resistance to oil, solvent, ozone, aging and abrasion
- Excellent flexibility
- Sunlight resistant
- Flame retardant, passes the UL-1581 Sect. 1160 vertical tray flame test
- Free stripping insulation
- **Suitable for continuous submersion in water**

### APPLICATIONS

Designed for use with mobile mining equipment, conveyors, drills and pumps, and portable power where equipment grounding is required. Type G-GC can also be used where a ground check conductor is required for fail-safe ground monitoring.

### CONSTRUCTION

#### Conductors

Bare, annealed copper per ASTM B-3  
Flexible, rope-lay stranded per UL-44.

#### Separator

A paper tape is applied between the conductor and insulation to facilitate stripping.

#### Insulation

Color coded 90°C ozone, oil (60°C) and water resistant (90°C) synthetic rubber (EPDM) per UL-44

#### Color Code

3-conductor: White, Black, Red

4-conductor: White, Black, Red, Orange

#### Cablings

3-conductor Type G-GC: Three conductors are assembled round with two green insulated grounding conductors, one yellow insulated ground check and fillers as needed.

4-conductor Type G: Four conductors are assembled round with four green insulated grounding conductors and solid elastomer fillers as needed.

#### Cable Reinforcement

An open reinforcement is applied over the assembly for mechanical strength.

#### Jacket

**Extra-hard usage**, oil-resistant thermoset jacket (Black) per UL-1581 for oil and sunlight resistance.

#### Cable Identification

##### 4 Conductor Cables

Indent print on jacket:

"(size) (no.)/C Type G Portable Power Cable 90°C Wet or Dry 2000V Oil Res. (UL) P-XXX-XX-MSHA"

##### 3 Conductor Cables

Indent print on jacket:

**8 AWG - 500 KCMIL:**  
"(size) AWG 3/C Type G or G-GC Portable Power Cable 90°C Wet or Dry 2000V Oil and Sun. Res. (UL) P-XXX-XX-MSHA"

Flexible, Rope-Lay Stranded,  
Bare Copper Conductors

Insulated Grounding Conductors

Extra Heavy Duty, Oil and Sunlight  
Resistant Thermoset, CPE Jacket



Non-Wicking Fillers

Separator

EPDM Insulation

3-CONDUCTOR • TYPE G-GC • 2000 VOLT											
PART NUMBER	POWER CONDUCTORS				GROUNDING CONDS		GROUND CHECK AWG SIZE	APPROX. O.D.		AMPS <sup>1</sup>	SHIP WT. LBS./M FT.
	SIZE	STRANDING	INSULATION INCH	MM	NO.	SIZE		INCH	MM		
05-0909	8	133	.060	1.52	2	#10	#10	.965	24.51	65	665
05-0911	6	259	.060	1.52	2	#10	#10	1.050	26.67	87	830
05-0913	4	259	.060	1.52	2	#8	#10	1.105	28.07	114	1145
05-0917	2	259	.080	2.03	2	#7	#10	1.300	33.02	152	1485
05-0919	1	259	.080	2.03	2	#6	#8	1.465	37.21	177	2100
05-0921	1/0	259	.080	2.03	2	#5	#8	1.605	40.77	205	2550
05-0923	2/0	259	.080	2.03	2	#4	#8	1.750	44.45	237	3020
05-0925	3/0	259	.080	2.03	2	#3	#8	1.860	47.24	274	3660
05-0927	4/0	259	.080	2.03	2	#2	#8	1.940	49.28	316	4410
05-0929	250	627	.095	2.41	2	#2	#8	2.390	60.71	352	6060
05-0933	350	855	.095	2.41	2	#1/0	#8	2.680	68.07	433	7400
05-0937	500	1235	.095	2.41	2	#2/0	#8	3.030	76.96	536	10100

  

4-CONDUCTOR • TYPE G • 600/2000 VOLT											
PART NUMBER	POWER CONDUCTORS				GROUNDING CONDS		GROUND CHECK AWG SIZE	APPROX. O.D.		AMPS <sup>1</sup>	SHIP WT. LBS./M FT.
	SIZE	STRANDING	INSULATION INCH	MM	NO.	SIZE		INCH	MM		
05-0939	8	133	.060	1.52	4	#12	#12	1.045	26.64	52	635
05-0941	6	259	.060	1.52	4	#12	#12	1.125	28.58	70	900
05-0943	4	259	.060	1.52	4	#10	#12	1.210	30.73	91	1280
05-0947	2	259	.080	2.03	4	#9	#9	1.435	36.45	122	2000
05-0949	1	259	.080	2.03	4	#8	#8	1.650	41.91	142	2660
05-0951	1/0	259	.080	2.03	4	#7	#7	1.720	43.69	164	3140
05-0953	2/0	259	.080	2.03	4	#6	#6	1.860	47.24	190	3780
05-0955	3/0	259	.080	2.03	4	#5	#5	2.075	52.71	219	4500
05-0957	4/0	259	.080	2.03	4	#4	#4	2.155	54.74	253	5520

<sup>1</sup> Ampacities based on 90°C Conductor and 30°C Ambient temperature per the National Electrical Code®.

»Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.



PITTSBURGH WIRE & CABLE INC.

www.pittsburghwire.com

Sales and Ordering: 1-800-458-1222