

PORTABLE POWER CABLE

Type G (or G-GC*) Flat

EPDM Insulation • Thermoset Jacket
6 AWG - 4/0 AWG • 2000 Volts • 90°C WET OR DRY

MSHA Listed
 OSHA Acceptable

FEATURES

- Passes MSHA flame test (P-XXX-MSHA)
- Excellent resistance to oil, solvent, ozone, aging and abrasion
- Excellent flexibility
- Sunlight resistant
- Flame retardant
- Free stripping insulation

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

Tinned, annealed copper per ASTM B-33
 Flexible, rope-lay

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 ICEA S-75-381

Color Code

2/C Type G w/Grd: Black, White, Green

3/C Type G-GC w/Grd: Black, White, Red, Green, Yellow

Assembly

2-conductor Type G: Two conductors are assembled flat with one green insulated grounding conductor. An open reinforcement is applied over the assembly.

3-conductor Type G-GC: Three conductors are assembled flat with one green insulated grounding conductor and one yellow insulated ground check. An open reinforcement is applied over each power conductor.

Jacket

Extra-hard usage, oil-resistant thermoset jacket (Black) per ICEA S-75-381 for oil and sunlight resistance.

Cable Identification

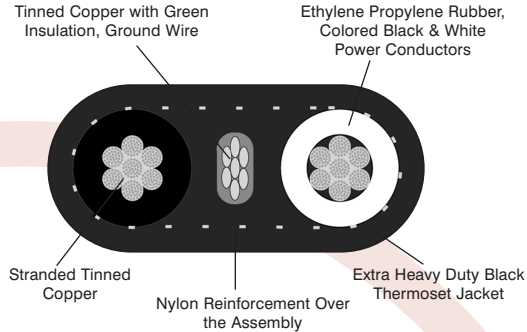
2 Conductor Cables

Indent print on jacket:
 "(size) Type G 2000V P-XXX-XX-MSHA"

3 Conductor Cables

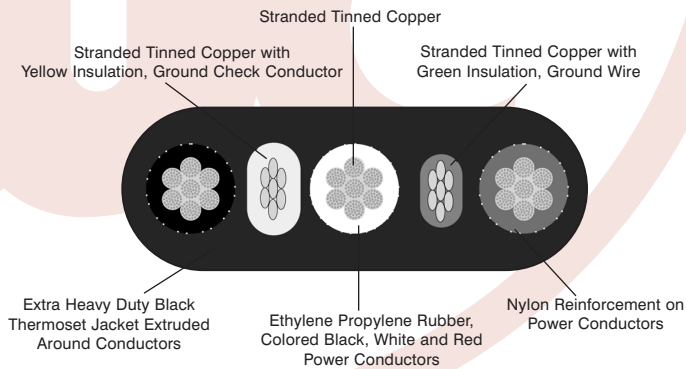
Indent print on jacket:
 "(size) AWG 3/C Type G-GC 90°C 2000V P-XXX-XX-MSHA"

» 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.



PART NUMBER	SIZE AWG	STRANDING	INSULATION THICKNESS Mils	GROUNDING CONDUCTOR Size AWG	NOMINAL DIAMETER Inches	AMPACITY*		SHIP WT. LBS./M FT.
						20°C Ambient	40°C Ambient	
2-CONDUCTOR • TYPE G • MSHA								
05-0959	6	168	60	8	.56 x 1.02	112	95	510
05-0961	4	259	60	7	.61 x 1.15	150	127	680
05-0963	3	329	60	6	.68 x 1.26	171	145	815
05-0965	2	259	60	5	.73 x 1.35	197	167	960
05-0967	1	329	80	4	.81 x 1.55	225	191	1230
05-0969	1/0	259	80	3	.93 x 1.67	256	217	1530
05-0971	2/0	329	80	2	.99 x 1.85	295	250	1820
05-0973	3/0	413	80	1	1.03 x 2.00	337	286	2100
05-0975	4/0	532	80	1/0	1.10 x 2.10	387	328	2490

*AMPACITY based upon continuous duty at 90°C conductor temperature, ambient temperature as indicated, cable in free air. For other ambient temperatures and when cables are used with one or more layers wound on a reel, use correction factors shown in Appendix H, ICEA S-75-381.



PART NUMBER	POWER CONDUCTORS			GROUNDING CONDS			GRD. CHECK SIZE	STRDS	APPROX. O.D.	AMPS ¹	SHIP WT. LBS./M FT.
	SIZE	STRANDING	INS.	NO.	SIZE	STRDS					
05-0977	6	259x.0100	.060	1	#8	133	#8	133	1.690x.670	87	963
05-0979	4	259x.0127	.060	1	#7	133	#8	133	1.890x.750	114	1231
05-0981	2	259x.0160	.060	1	#5	133	#8	133	2.230x.810	152	1883

¹Ampacities (Amps per conductor) are based on 30°C ambient temperature in air, 90°C conductor temperature per Table 400-5 (B) of the 1996 NEC.