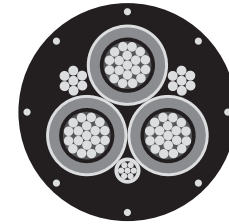


# Anaconda® Brand Type SHD-GC Power, Shielded Round Portable w/Ground-Check, EPR/CPE 8000 Volts, 90°C, Three Conductor



**Product Construction**

**Conductor:**

- 4 AWG thru 500 kcmil coated annealed copper, bunched wires, rope-lay-stranded per ASTM B172

**Extruded Strand Shield (ESS):**

- Extruded thermosetting semi-conducting stress control layer over conductor

**Insulation:**

- Ethylene Propylene Rubber (EPR) insulation colored for contrast with black conducting layer

**Insulation Shield:**

- A flexible coated copper/textile braid shield is applied over a conducting overlapped tape

**Ground-Check Conductor:**

- Annealed copper, rope-lay-stranded per ASTM B172, insulated with high-strength yellow polypropylene

**Grounding Conductors:**

- Coated copper, rope-lay-stranded per ASTM B172
- Two conductors in contact with the flexible copper braid shield

**Jacket:**

- Reinforced, two-layer, extra-heavy-duty, lead-cured Chlorinated Polyethylene (CPE)

**Jacket Marking:**

- GENERAL CABLE® ANACONDA® BRAND (SIZE) 3/C TYPE SHD-GC 8000 VOLTS P-7K-102-046 MSHA

**Options:**

- Colored jackets are available
- TPU (Thermoplastic Polyurethane) jacket
- Anamaxx® jacket

**Applications:**

- Designed for use as a trailing cable on AC mining equipment:
  - Where service conditions are severe and maximum safety is mandatory (such as power shovels and draglines in open-pit mines, quarries, gantry cranes and slag reclaiming)
  - For high-voltage distribution in underground mines where frequent relocation is necessary

**Features:**

- Simultaneous extrusion and vulcanization of both strand shield and insulation form a virtually perfect electrode, eliminating unequal electrical stresses

**Features (cont'd):**

- Excellent heat, moisture, steam, oil, corona, chemical and radiation resistance
- Flexible for easy handling
- High dielectric strength
- Electrical stability under stress
- Low dielectric loss
- Resists cutting, impact, abrasion, flame and sunlight
- Excellent thermal stability and physical properties over a broad temperature range
- Two-layer jacket is reinforced to provide maximum protection from mechanical damage—the cause of most portable cable failures

**Compliances:**

- ICEA S-75-381 Portable and Power Feeder Cables for use in mines and similar applications
- Meets flame test requirements and is accepted for listing by MSHA
- Approved by the Pennsylvania Department of Environmental Protection

**Packaging:**

- Material cut to length and shipped on non-returnable reels

**4 AWG THRU 500 KCMIL CONDUCTORS, THREE CONDUCTOR, SHIELDED ROUND PORTABLE W/GROUND-CHECK, TYPE SHD-GC - 8000 VOLTS**

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/kcmil)	COND. STRAND	NOMINAL INSULATION THICKNESS		GRD. COND. SIZE (AWG)	GRD-CHECK COND. SIZE (AWG)	NOMINAL JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT		AMPACITY
				INCHES	mm			INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	
16243.310400	3	4	259	0.150	3.8	8	8	0.205	5.2	1.94	49.3	764	1138	2308	3594	122
16243.310200	3	2	259	0.150	3.8	6	8	0.220	5.6	2.12	53.8	1064	1583	2920	4554	159
16243.310100	3	1	259	0.150	3.8	5	8	0.220	5.6	2.21	56.1	1287	1915	3292	5104	184
16243.615100	3	1/0	259	0.150	3.8	4	8	0.220	5.6	2.32	58.9	1553	2311	3675	5700	211
16252.201837	3	2/0	329	0.150	3.8	3	8	0.235	6.0	2.46	62.5	1896	2822	4304	6593	243
16243.615300	3	3/0	413	0.150	3.8	2	8	0.250	6.4	2.62	66.5	2329	3466	5200	7738	279
16254.709412	3	4/0	532	0.150	3.8	1	8	0.250	6.4	2.75	69.8	2889	4299	5840	8713	321
16243.616000	3	250	608	0.150	3.8	1/0	6	0.250	6.4	2.89	73.4	3434	5111	6774	9948	355
16243.616100	3	300	741	0.150	3.8	1/0	6	0.265	6.7	3.04	77.2	3975	5915	7423	11384	398
16243.616200	3	350	851	0.150	3.8	2/0	6	0.280	7.1	3.21	81.3	4522	6730	8543	12739	435
16243.616500	3	500	1221	0.150	3.8	4/0	6	0.295	7.5	3.56	90.4	6566	9771	11260	16757	536

Stock items are available in long lengths for cutting to your specifications. All lengths are subject to a tolerance of +/-5%. Dimensions and weights shown are nominal, subject to standard industry tolerances. Actual shipping weight may vary. These ampacities are based on a conductor temperature of 90°C and an ambient air temperature of 40°C, per ICEA S-75-381, NEMA WC58. For ampacities per National Electrical Code® requirements, refer to the latest NEC edition.

