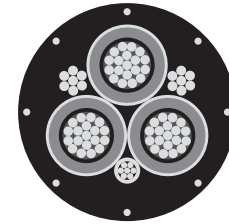


Anaconda® Brand Type SHD-GC Power, Shielded Round Portable w/Ground-Check, EPR/CPE 25000 Volts, 90°C, Three Conductor



Product Construction

Conductor:

- 1 AWG thru 350 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 layers

Insulation Shield:

- An extruded conducting layer covered by a conducting tape, and a flexible coated copper/textile braid shield overall provides greater mechanical protection than an equal thickness of insulation

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 25000 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 the strand shield, insulation and insulation shield form a virtually perfect electrode, eliminating unequal electrical stresses
- Excellent heat, moisture, steam, oil, corona, chemical and radiation resistance

Features (cont'd):

- 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

1 AWG THRU 350 KCMIL CONDUCTORS, THREE CONDUCTOR, SHIELDED ROUND PORTABLE W/GROUND-CHECK, TYPE SHD-GC - 25000 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	
16247.310100	3	1	259	0.260	6.6	5	8	0.265	6.7	2.95	74.93	1306	1943	5290	7872	191
16247.315100	3	1/0	259	0.260	6.6	4	8	0.265	6.7	3.05	77.47	1556	2315	5800	8631	218
16247.315200	3	2/0	329	0.260	6.6	3	8	0.280	7.1	3.20	81.28	1888	2810	6515	9695	249
16247.615300	3	3/0	413	0.260	6.6	2	8	0.280	7.1	3.33	84.58	2303	3428	7215	10737	286
16247.615400	3	4/0	532	0.260	6.6	1	8	0.295	7.5	3.50	88.90	2889	4300	8250	12277	327
16247.616000	3	250	608	0.260	6.6	1/0	6	0.295	7.5	3.54	89.92	3486	5188	9066	13491	360
16247.956200	3	350	851	0.260	6.6	2/0	6	0.295	7.5	3.79	96.37	4579	6815	10118	15057	439

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.

