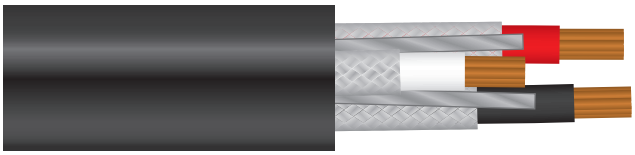
Type SHD-GC Shovel & Dragline Cable



Conductor	Bare annealed copper flexible rope-lay stranded
Insulation	Colour coded synthetic rubber
Jacket	Extra hard usage black, oil and weather resistant CPE
Temperature	-40°C to +90°C
Voltage	2000/5000/8000/15000V
Applications	Designed for use as heavy duty trailing cable on mining equipment where maximum safety is required. Also suitable for high voltage distribution in underground mines where portable power is required.
Packaging	Long length Reels cut to length.
Cabling	Three insulated conductors (Black, White, Red) are assembled round with two uninsulated grounding conductors, one insulated yellow ground check, solid elastomer filler as required, and an overall tape separator.
Ground Check	Annealed tinned copper, rope-lay-stranded, tape separator, Yellow insulation.
Ground Wires	Uninsulated, rope-lay-stranded tinned copper.
Insulation Shield	Tinned copper braid (85% minimum coverage) over each conductor.
Tape Shield	Semi-Conducting colour coded tape (5. 8. & 15KV only).
Reinforcement	An open reinforcement is applied over the assembly for mechanical strength.

Prod. Code	Power Conductor			Grounding Conductor			Ground Check				Ship. Weight lbs/mft
	Size	Strand	INS	Size	Strand	Size	Strand	INS	NIT* (Inch)	AMPS	
600 - 2000 VOLTS											
16CA0603	6	133x.014	0.07	10	49x.0146	10	49x.0146	0.03	1.29	93	1100
16CA0403	4	133x.017	0.07	8	49X.0184	10	49x.0146	0.03	1.4	122	1390
16CA0203	2	133x.022	0.07	6	133x.0142	8	49x.0184	0.045	1.59	159	1870
16CA0103	1	133x.025	0.08	5	133x.0158	8	19x.0184	0.045	1.76	184	2300
16CA03	1/0	259x.020	0.08	4	133x.0179	8	49x.0184	0.045	1.86	211	2750
16CA003	2/0	259x.022	0.08	3	133x.0199	8	49x.0184	0.045	2	243	3420
16CA0003	3/0	259x.025	0.08	2	133X.0223	8	49x.0184	0.045	2.13	279	3840
16CA00003	4/0	259x.028	0.08	1	133X.0251	8	49x.0184	0.045	2.31	321	4725
16CA2503	250	427x.024	0.095	1/0	259x.0202	8	49x.0184	0.045	2.51	355	5520
16CA3503	350	427x.028	0.095	2/0	259x.0227	8	49x.0184	0.045	2.81	435	7020
16CA5003	500	427x.034	0.095	2/0	259X.0227	8	49X.0184	0.045	3.19	535	10300
2001 - 5000 VOLTS											
16CB0603	6	133x.014	0.110	10	49x.0146	8	49x.0184	0.045	1.56	93	1500
16CB0403	4	133x.017	0.110	8	49x.0184	8	49x.0184	0.045	1.68	122	1880
16CB0203	2	133x.022	0.110	6	133x.0142	8	49x.0184	0.045	1.87	159	2405
16CB0103	1	133x.025	0.110	5	133x.0158	8	49x.0184	0.045	1.95	184	2805
16CB03	1/0	259x.020	0.110	4	133x.0179	8	49X.084	0.045	2.08	211	3235
16CB003	2/0	259x.022	0.110	3	133x.0199	8	49x.0184	0.045	2.2	243	3700
16CB0003	3/0	259x.025	0.110	2	133x.0223	8	49x.0184	0.045	2.36	279	4525
16CB00003	4/0	259x.028	0.110	1	133x.0251	8	49x.0184	0.045	2.5	321	4725
16CB2503	250	427x.024	0.120	1/0	259x.0202	8	49x.0184	0.045	2.69	355	5945
16CB3503	350	427x.028	0.120	2/0	259x.0227	8	49x.0184	0.045	2.95	435	7650

* Ampacities (Amps per conductor) are based on 30C ambient temperature in air, 90C
* NIT: Nominal Insulation Thickness

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Prod. Code	Power Conductor			Grounding Conductor			Ground Check				Ship. Weight lbs/mft
	Size	Strand	INS	Size	Strand	Size	Strand	INS	NIT* (Inch)	AMPS	
5001 - 8000 VOLTS											
16CC0403	4	133x.017	0.15	8	49x.0184	8	49x.0146	0.045	1.94	122	2385
16CC0203	2	133x.022	0.15	6	133x.0142	8	49x.0184	0.045	2.12	159	2955
16CC0103	1	133x.025	0.15	5	133x.0158	8	49x.0184	0.045	2.21	184	3270
16CC03	1/0	259x.020	0.15	4	133x.0179	8	49X.0184	0.045	2.32	211	3940
16CC003	2/0	259x.022	0.15	3	133x.0199	8	49x.0184	0.045	2.46	243	4360
16CC0003	3/0	259x.025	0.15	2	133x.0223	8	49x.0184	0.045	2.62	279	5005
16CC00003	4/0	259x.028	0.15	1	133x.0251	8	49x.0184	0.045	2.75	321	5640
16CC2503	250	427x.024	0.15	1/0	259x.0202	8	49x.0184	0.045	2.89	355	6470
16CC3503	350	427x.028	0.15	2/0	259x.0227	8	49x.0184	0.045	3.2	435	8280
8001 - 15000 VOLTS											
16CD0203	2	133x.022	0.21	6	133x.0142	8	49x.0184	0.045	2.41	159	3550
16CD0103	1	133x.025	0.21	5	133x.0158	8	49x.0184	0.045	2.52	184	3800
16CD03	1/0	259x.020	0.21	4	133x.0179	8	49X.084	0.045	2.64	211	4580
16CD003	2/0	259x.022	0.21	3	133x.0199	8	49x.0184	0.045	2.73	243	4960
16CD0003	3/0	259x.025	0.21	2	133x.0223	8	49x.0184	0.045	2.9	279	5740
16CD00003	4/0	259x.028	0.21	1	133x.0251	8	49x.0184	0.045	3.05	321	6490

* Ampacities (Amps per conductor) are based on 30C ambient temperature in air, 90C
* NIT: Nominal Insulation Thickness

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