

SHOVEL AND DRAGLINE CABLE

TYPE SHD-GC - 2000 VOLT, 5000 VOLT, 8000 VOLT AND 15000 VOLT

Construction

Conductors:

- Bare, annealed copper per ASTM B-3.
- Flexible, rope-lay stranded per ICEA S-75-381.

Conductor Shield (5, 8, & 15kV only)

- Nylon semi-conducting tape.

Insulation:

- 90°C oil, ozone and water-resistant synthetic rubber (EPDM) ICEA S-75-381.

Semi-Conducting Tape Shield (5, 8 & 15kV only)

- Color coded tape.

Color Code:

- Black, White, Red.

Insulation Shield

- Tinned copper braid (85% min. coverage) over each conductor.

Ground Wires

- Uninsulated, rope-lay stranded, tinned copper.

Ground Check

- Annealed tinned copper, rope-lay stranded, tape separator, yellow EPDM insulation.

Cabling

- Three shielded conductors are assembled round on a planetary cabler with two uninsulated ground wires, one yellow insulated ground check, solid elastomer fillers as needed, and an overall tape separator.

Cable Reinforcement

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

Jacket

- Extra heavy duty, oil-resistant black Thermoset, CPE Jacket ICEA S-75-381. Alternate jacket colors are available for manufacture. Consult factory for specifications.
- This jacketing is tough, durable and highly flexible. It has superior resistance to crushing, abrasion, compression, impact, chemicals, water, aging, weathering and harmful ozone. Colors other than black are available on special order.

INDUSTRY APPROVALS

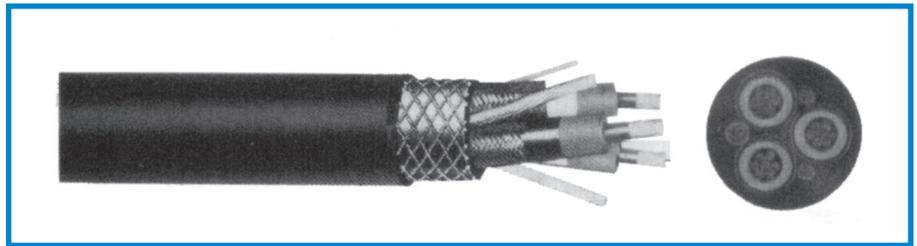
- Meets ICEA requirements as applicable
- OSHA acceptable
- MSHA listed
- Excellent resistance to oil, solvents, ozone, aging and abrasion
- Excellent flexibility
- Passes MSHA flame test (P-136-MSHA)
- Water resistant 2 - 15kV

Standards:

- Designed and constructed in accordance with ICEA-NEMA standards. (ICEA Publication No. S-68-516 and NEMA Publication No. WC8).

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 necessary.



CUSTOM CATALOG NUMBER	SIZE	STRAND	NOM. THICKNESS (INCHES)		GROUND WIRES (2)	GROUND WIRE STRAND	GROUND CHECK	NOMINAL O.D.	CURRENT	NOMINAL WEIGHT
			INSUL.	JACKET						
TYPE SHD-GC - THREE CONDUCTOR - 2,000 VOLT										
25540	6	133	0.070	0.155	10	49	10	1.290	93	1100
25541	4	133	0.070	0.155	8	49	10	1.400	122	1390
25542	2	133	0.070	0.170	6	133	8	1.550	159	1870
25543	1	133	0.080	0.190	5	133	8	1.760	184	2370
25544	1/0	259	0.080	0.190	4	133	8	1.820	211	2750
25545	2/0	259	0.080	0.205	3	133	8	1.960	243	3420
25546	3/0	259	0.080	0.205	2	133	8	2.130	279	3840
25547	4/0	259	0.080	0.220	1	133	8	2.270	321	4725
25548	250	427	0.095	0.220	1/0	259	8	2.450	355	5520
TYPE SHD-GC - THREE CONDUCTOR - 5,000 VOLT										
25552	6	133	0.110	0.185	10	49	8	1.540	93	1500
25553	4	133	0.110	0.185	8	49	8	1.650	122	1880
25554	2	133	0.110	0.205	6	133	8	1.840	159	2405
25555	1	133	0.110	0.205	5	133	8	1.930	184	2805
25556	1/0	259	0.110	0.220	4	133	8	2.060	211	3235
25557	2/0	259	0.110	0.220	3	133	8	2.160	243	3700
25558	3/0	259	0.110	0.235	2	133	8	2.320	279	4525
25559	4/0	259	0.110	0.235	1	133	8	2.460	321	4725
25560	250	427	0.120	0.250	1/0	259	8	2.650	355	5945
25561	350	427	0.120	0.265	2/0	259	8	2.950	435	7650
25562	500	427	0.120	0.280	4/0	259	8	3.310	536	10440
TYPE SHD-GC - THREE CONDUCTOR - 8,000 VOLT										
25570	4	133	0.150	0.205	8	49	8	1.900	122	2385
25571	2	133	0.150	0.220	6	133	8	2.070	159	2955
25572	1	133	0.150	0.220	5	133	8	2.210	184	3270
25573	1/0	259	0.150	0.220	4	133	8	2.260	211	3940
25574	2/0	259	0.150	0.235	3	133	8	2.390	243	4360
25575	3/0	259	0.150	0.250	2	133	8	2.550	279	5005
25576	4/0	259	0.150	0.250	1	133	8	2.670	321	5640
25577	250	427	0.150	0.250	1/0	259	8	2.800	355	6470
25578	350	427	0.150	0.280	2/0	259	8	3.200	435	8280
25579	500	427	0.150	0.295	4/0	259	8	3.560	536	10700
TYPE SHD-GC - THREE CONDUCTOR - 15,000 VOLT										
25582	2	133	0.210	0.235	6	133	8	2.350	164	3550
25583	1	133	0.210	0.235	5	133	8	2.460	187	3800
25584	1/0	133	0.210	0.250	4	133	8	2.570	215	4580
25585	2/0	259	0.210	0.250	3	133	8	2.660	246	4960
25586	3/0	259	0.210	0.265	2	133	8	2.900	283	5740
25587	4/0	259	0.210	0.265	1	259	8	2.950	325	6490

* Based on three conductor cable in air at 40°C ambient, 90°C conductor temperature, per ICEA methods.

NOTE: Also available with neoprene jacket.



Custom Cable Corp.