

# PORTABLE POWER CABLE

## Type SHD-GC Shovel and Dragline Cable

Round Portable Power Cable w/ Ground Check • EPDM Insulation • Thermoset Jacket  
6 AWG - 500 MCM • 2000/5000/8000/15000 Volts • 90°C to -40°C

ICEA  
MSHA Listed  
OSHA Acceptable

### FEATURES

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

### 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.

### 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 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 jacket ICEA S-75-381.

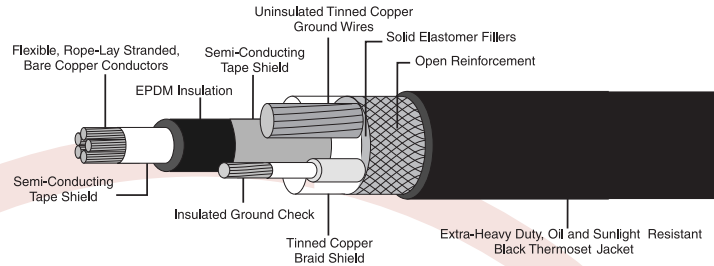
Alternate jacket colors are available for  
manufacture.

#### Cable Identification

Indent print on jacket

"(size) 3/C Type SHD-GC (voltage)  
P-XXX-XX-MSHA-EMR-1084"

NOTE: On 5001-15000 volts 100%  
insulation level is added to print legend  
after the stated voltage.



PART NUMBER	POWER CONDUCTORS			GROUNDING CONDS.		GROUND CHECK		NOMINAL O.D.	AMPS <sup>1</sup>	SHIP WT. LBS./M FT.
	SIZE	STRANDING	INS.	SIZE	STRANDS	SIZE	INS.			
<b>600 - 2000 VOLTS • ES-13165</b>										
05-0983	6	133x.0142	.070	10	49x.0146	10	.030	1.290	93	1100
05-0985	4	133x.0179	.070	8	49x.0184	10	.030	1.400	122	1390
05-0987	2	133x.0223	.070	6	133x.0142	8	.045	1.550	159	1870
05-0989	1	133x.0251	.080	5	133x.0158	8	.045	1.760	184	2370
05-0991	1/0	259x.0202	.080	4	133x.0179	8	.045	1.820	211	2750
05-0993	2/0	259x.0227	.080	3	133x.0199	8	.045	1.960	243	3420
05-0995	3/0	259x.0255	.080	2	133x.0223	8	.045	2.130	279	3840
05-0997	4/0	259x.0286	.080	1	133x.0251	8	.045	2.290	321	4725
05-0999	250	427x.0242	.095	1/0	259x.0202	8	.045	2.450	355	5520
05-1001	350	427x.0286	.095	2/0	259x.0227	8	.045	2.810	435	7020
05-1003	500	427x.0342	.095	2/0	259x.0227	8	.045	3.190	535	10300
<b>2001 - 5000 VOLTS • ES-13166</b>										
05-1005	6	133x.0142	.110	10	49x.0146	8	.045	1.560	93	1500
05-1007	4	133x.0179	.110	8	49x.0184	8	.045	1.680	122	1880
05-1009	2	133x.0223	.110	6	133x.0142	8	.045	1.870	159	2405
05-1011	1	133x.0251	.110	5	133x.0158	8	.045	1.950	184	2805
05-1013	1/0	259x.0202	.110	4	133x.0179	8	.045	2.080	211	3235
05-1015	2/0	259x.0227	.110	3	133x.0199	8	.045	2.160	243	3700
05-1017	3/0	259x.0255	.110	2	133x.0223	8	.045	2.320	279	4525
05-1019	4/0	259x.0286	.110	1	133x.0251	8	.045	2.460	321	4725
05-1021	250	427x.0242	.120	1/0	259x.0202	8	.045	2.650	355	5945
05-1023	350	427x.0286	.120	2/0	259x.0227	8	.045	2.950	435	7650
<b>5001 - 8000 VOLTS • ES-13167</b>										
05-1025	4	133x.0179	.150	8	49x.0184	8	.045	1.900	122	2385
05-1027	3	133x.0199	.150	7	49x.0206	8	.045	1.975	140	2553
05-1029	2	133x.0223	.150	6	133x.0142	8	.045	2.070	159	2955
05-1031	1	133x.0251	.150	5	133x.0158	8	.045	2.210	184	3270
05-1033	1/0	259x.0202	.150	4	133x.0177	8	.045	2.260	211	3940
05-1035	2/0	259x.0227	.150	3	133x.0199	8	.045	2.390	243	4360
05-1037	3/0	259x.0255	.150	2	133x.0223	8	.045	2.550	279	5005
05-1039	4/0	259x.0286	.150	1	133x.0251	8	.045	2.690	321	5640
05-1041	250	427x.0242	.150	1/0	259x.0202	8	.045	2.890	355	6470
05-1043	350	427x.0286	.150	2/0	259x.0227	8	.045	3.200	435	8280
<b>8001 - 15000 VOLTS • ES-15310</b>										
05-1045	2	133x.0223	.210	6	133x.0140	8	.045	2.358	164	3550
05-1047	1	133x.0251	.210	5	133x.0158	8	.045	2.460	187	3800
05-1049	1/0	259x.0202	.210	4	133x.0179	8	.045	2.570	215	4580
05-1051	2/0	259x.0227	.210	3	133x.0199	8	.045	2.660	246	4960
05-1053	3/0	259x.0255	.210	2	133x.0223	8	.045	2.900	283	5740
05-1055	4/0	259x.0286	.210	1	259x.0180	8	.045	2.970	325	6490

<sup>1</sup>Ampacities (Amps per conductor) are based on 40°C ambient temperature in air, 90°C conductor temperature.

»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.



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