

## SHIELDED PORTABLE POWER CABLE THREE CONDUCTORS WITH GROUNDS AND GROUND CHECK 90DEGREES C 5000VOLTS TYPE SHD-GC

### CONSTRUCTION:

**CONDUCTOR** FLEXIBLE SOFT DRAWN TINNED COPPER.

**INSULATION** 90DEGREE C THERMOSET EP RUBBER, COLOR CODED BLACK-WHITE-RED.

**SHIELD** TINNED COPPER/TEXTILE BRAID SHIELD IS APPLIED OVER CONDUCTOR TAPE.

**GROUND CONDUCTORS** FLEXIBLE UNINSULATED TINNED COPPER GROUNDS IN TWO OF THE INTERSTICES.

**GROUND CHECK** FLEXIBLE COPPER WITH YELLOW INSULATION.

**ASSEMBLY** INSULATED POWER CONDUCTORS CABLED TOGETHER WITH A GROUND WIRE IN TWO OF THE INTERSTICES AND A GROUND CHECK IN THE THIRD INTERSTICE.

**OVERALL JACKET** EXTRA HEAVY DUTY, TWO LAYER, REINFORCED LEAD CURED BLACK CPE.

Charlotte Wire Part#	Size AWG	No. of Cdrs.	Number of Strands	Insulation Thickness (in.)	Ground Wire Size	Ground Check Size	Rating in Amps*	O.D. (in.)	Approx. Net Wt. (Lbs/Mft)
CW03850	6	3	133	.110"	2 - #10	1 - #8	93	1.56"	1580
CW03851	4	3	259	.110"	2 - #8	1 - #8	122	1.68"	1880
CW03852	2	3	259	.110"	2 - #6	1 - #8	159	1.87"	2460
CW03853	1	3	259	.110"	2 - #5	1 - #8	184	1.95"	2820
CW03854	1/0	3	259	.110"	2 - #4	1 - #8	211	2.08"	3250
CW03855	2/0	3	342	.110"	2 - #3	1 - #8	243	2.20"	3810
CW03856	3/0	3	413	.110"	2 - #2	1 - #8	279	2.36"	4490
CW03857	4/0	3	532	.110"	2 - #1	1 - #8	321	2.50"	5280
CW03858	250MCM	3	608	.120"	2 - 1/0	1 - #6	355	2.69"	6110
CW03859	300MCM	3	741	.120"	2 - 1/0	1 - #6	398	2.81"	6880
CW03860	350MCM	3	851	.120"	2 - 2/0	1 - #6	435	2.95"	7800
CW03861	500MCM	3	1221	.120"	2 - 4/0	1 - #6	536	3.31"	10450

\*Ampacity based 90Deg C conductor temperature and 40Deg C ambient air temperature per ICEA.

### APPLICATION:

Suitable for use on mobile mining equipment, conveyors, pumps, temporary power supply, and portable heavy duty equipment. Ground check conductor allows for fail-safe ground monitoring. Designed for extra hard usage and for equipment that is exposed to chemicals, oil, sunlight and moisture. Suitable for wet location use.

### STANDARDS:

MSHA listed (including passing MSHA flame test).  
ICEA S75-381 for Power and Portable Feeder Cables.  
Passes CSA FT5 flame test.