

## SHIELDED PORTABLE POWER CABLE THREE CONDUCTORS WITH GROUNDS AND GROUND CHECK 90DEGREES C 2000VOLTS 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)
CW03835	6	3	133	.070"	2 - #10	1 - #10	93	1.30"	1080
CW03836	4	3	259	.070"	2 - #8	1 - #10	122	1.41"	1420
CW03837	2	3	259	.070"	2 - #6	1 - #10	159	1.59"	1880
CW03838	1	3	259	.080"	2 - #5	1 - #8	184	1.78"	2380
CW03839	1/0	3	259	.080"	2 - #4	1 - #8	211	1.86"	2770
CW03840	2/0	3	342	.080"	2 - #3	1 - #8	243	2.00"	3320
CW03841	3/0	3	413	.080"	2 - #2	1 - #8	279	2.14"	3820
CW03842	4/0	3	532	.080"	2 - #1	1 - #8	321	2.32"	4750
CW03843	250MCM	3	608	.095"	2 - 1/0	1 - #8	355	2.51"	5770
CW03844	300MCM	3	741	.095"	2 - 1/0	1 - #6	398	2.71"	6630
CW03845	350MCM	3	851	.095"	2 - 2/0	1 - #6	435	2.82"	7250
CW03846	500MCM	3	1221	.095"	2 - 4/0	1 - #6	536	3.20"	9960

\*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.