

# American Mustang<sup>®</sup> Type SHD-GC

2-15 KV. Tinned Copper Conductors  
EPR Insulation. Tinned Copper Braid Shield.  
Heavy Duty CPE Jacket. -50° C to 90° C  
14 AWG-500 kcmil.



## APPLICATIONS

Southwire's American Mustang Type SHD-GC cables are designed for use with mobile or stationary mining equipment, continuous mining machines or longwall loading machines, blast hole drillers, heavy duty trailing cable where maximum protection is required. Also for medium and high voltage use on shovels, draglines, dredges, and cranes. This cable is also suitable for power distribution in mines where more flexibility is desired. The cable can also be used where a ground check conductor is required for fail-safe monitoring.

## SPECIFICATIONS

Southwire's American Mustang Type SHD-GC cables comply with:

- ASTM B-33 and B-172
- MSHA P-136
- UL
- CSA
- ICEA S-75-381/ NEMA WC-58

## CONSTRUCTION

Southwire's American Mustang Type SHD-GC cables have soft drawn annealed, flexible rope lay, tinned copper conductors wrapped with a semi-conductive tape (5-25 KV). The conductors are insulated with EPR, covered by a nylon semi-conductive tape (5-25 KV) with a tinned copper braided insulation shield, 85% minimum coverage. (A Mylar separator is used between the phase conductor and the insulation, a SBR tape separates the copper shield from the conductor in 2 KV construction). The cable has 2 flexible tinned copper ground wires and one HD EPR coated ground check. The outer jacket provides a moderate fill of the cable assembly, (nylon core rubber fillers applied as needed for balanced round cross section); an SBR tape is applied over the entire cabled assembly aiding core stability, and jacket strip ability. The outer jacket is a black flame resistant, heavy-duty single pass CPE, which has excellent resistance to UV, oil, water, solvents, corrosives, cuts, tears, and abrasions.

# American Mustang Type SHD-GC

Power Conductors			Grounding Conductors		Ground Check		Approx. O.D.	Weight per 1000' (lbs)	Ampacity +
Size	Strands	Ins.	Size	Strands	Size	Ins.			
<b>600 - 2000 Volt</b>									
4	259	.070"	8	168	8	.045"	1.40"	1415	122
2	308	.070"	7	133	8	.045"	1.59"	2398	159
1	385	.080"	6	273	6	.045"	1.76"	2420	184
1/0	273	.080"	5	133	6	.045"	1.86"	2511	211
2/0	324	.080"	4	259	6	.045"	2"	3077	243
3/0	418	.080"	3	259	6	.045"	2.13"	3670	279
4/0	532	.080"	2	308	6	.045"	2.31"	4820	321
250	608	.095"	1	385	6	.045"	2.51"	5895	355
350	855	.095"	1/0	273	6	.045"	2.81"	7175	435
500	1221	.095"	3/0	418	6	.045"	3.19"	9890	536
<b>2001 - 5000 Volts</b>									
6	273	.110"	10	104	8	.045"	1.56"	1130	92
4	259	.110"	8	168	8	.045"	1.68"	1490	122
2	308	.110"	6	273	8	.045"	1.87"	2480	159
1	385	.110"	5	133	8	.045"	1.95"	2565	184
1/0	273	.110"	4	259	8	.045"	2.08"	2657	211
2/0	324	.110"	3	259	8	.045"	2.2"	3282	243
3/0	418	.110"	2	308	8	.045"	2.36"	3850	279
4/0	532	.110"	1	385	8	.045"	2.5"	5085	321
250	608	.120"	1/0	273	8	.045"	2.69"	6285	355
350	855	.120"	2/0	324	8	.045"	2.95"	7780	435
500	1221	.120"	4/0	532	8	.045"	3.31"	10405	536

+Ampacities (per conductor) are based on 40° C ambient temperature in air, 90° C conductor temperature.

# American Mustang Type SHD-GC

Power Conductors			Grounding Conductors		Ground Check		Approx. O.D. (inches)	Weight per 1000' (lbs)	Ampacity +
Size	Strands	Insulation	Size	Strands	Size	Insulation			
<b>5001 - 8000 Volts</b>									
4	259	.070"	8	168	8	.045"	1.94"	1937	122
2	308	.070"	7	133	8	.045"	2.12"	2416	159
1	385	.080"	6	273	6	.045"	2.21"	2895	184
1/0	273	.080"	5	133	6	.045"	2.32"	3085	211
2/0	324	.080"	4	259	6	.045"	2.46"	4189	243
3/0	418	.080"	3	259	6	.045"	2.62"	4850	279
4/0	532	.080"	2	308	6	.045"	2.75"	5144	321
250	608	.095"	1	385	6	.045"	2.89"	6650	355
350	855	.095"	1/0	273	6	.045"	3.2"	7998	435
500	1221	.095"	3/0	418	6	.045"	3.56"	10687	536

<b>8001 - 15000 Volts</b>									
2	308	.210"	7	133	8	.045"	2.41"	3320	164
1	385	.210"	6	273	6	.045"	2.52"	3875	187
1/0	273	.210"	5	133	6	.045"	2.64"	4250	215
2/0	324	.210"	4	259	6	.045"	2.73"	4405	246
3/0	418	.210"	2	308	6	.045"	2.9"	5200	283
4/0	532	.210"	1	385	6	.045"	3.05"	6415	325

+Ampacities (per conductor) are based on 40° C ambient temperature in air, 90° C conductor temperature

Also available in 25KV. Contact factory for more information.