



Caledonian Mining Cables

Technical Information

Ampacities According to ICEA S-75-381

» Ampacities for Portable Power Cables--Table 1

Power Conductor Size (AWG or kcmil)	Single Conductor				Two Conductor Round and Flat 0-2000V	Three Conductor Round and Flat 0-5000V Nonshielded
	0-2000V Nonshielded	2001-8000V Shielded	8001-15000V Shielded	15001-25000V Shielded		
8	83	—	—	—	72	59
6	109	112	—	—	95	79
4	145	148	—	—	127	104
3	167	171	—	—	145	120
2	192	195	195	—	167	138
1	223	225	225	222	191	161
1/0	258	260	259	255	217	186
2/0	298	299	298	293	250	215
3/0	345	345	343	337	286	249
4/0	400	400	397	389	328	287
250	445	444	440	430	363	320
300	500	496	491	480	400	357
350	552	549	543	529	436	394
400	600	596	590	572	470	430
450	650	640	633	615	497	460
500	695	688	678	659	524	487

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» Ampacities for Portable Power Cables--Table 2

Power Conductor Size (AWG or kcmil)	Three Conductor Round			Four Conductor	Five Conductor	Six Conductor
	0-8000V Shielded	8001-15000V Shielded	15001-25000V Shielded	0-2000V	0-2000V	0-2000V
8	—	—	—	54	50	48
6	93	—	—	72	68	64
4	122	—	—	93	88	83
3	140	—	—	106	100	95
2	159	164	178	122	116	110
1	184	187	191	143	136	129
1/0	211	215	218	165	—	—
2/0	243	246	249	192	—	—
3/0	279	283	286	221	—	—
4/0	321	325	327	255	—	—
250	355	359	360	280	—	—
300	398	—	—	310	—	—
350	435	—	—	335	—	—
400	470	—	—	356	—	—
450	503	—	—	377	—	—
500	536	—	—	395	—	—



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Technical Information

» Ampacities for Mine Power Feeder Cables

5000~25,000V Copper			
Conductor Size	Ampacities		
(AWG or kcmil)	5000 & 8000V	15000V	25000V
6	93	—	—
4	122	125	—
2	159	164	—
1	184	187	189
1/0	211	215	216
2/0	243	246	247
3/0	279	283	284
4/0	321	325	325
250	355	359	359
300	398	401	401
350	435	438	438
400	470	473	473
500	536	536	536