

### Bare Conductor Information AWG or kcmil

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.162	#6, Solid	474.0							#6, Solid	1,280
.169					#6, 7W	528				
.174									91¼2D	1,743
.179									8C	1,362
.182	#5, Solid	597.7			#6, 6/1	1,170			#5, Solid	1,591
.184	#6, 7W	560							#6, 7W	1,228
.198	#6, 6/1	1,170	#6, 7W	555					8A	2,233
.199			#6, 3W	915						
.201									#6, 3W	1,204
.202									#4, Solid	1,970
.204	#4, Solid	753.9							#5, 7W	1,542
.206										
.213					#4, 7W	826				
.219									8D	3,256
.223	#5, 6/1	1,460							7A	2,754
.225									6C	2,143
.226									#5, 3W	1,516
.229	#3, Solid	929.9			#4, 6/1	1,830			#3, Solid	2,439
.230									6A	2,585
.232	#4, 7W	915							#4, 7W	1,938
.236					#4, 7/1	2,288				
.245							#4, 6/1	1,783		
.246									7D	4,022
.250	#4, 6/1	1,830	#4, 7W	875						
.257	#4, 7/1	2,290								
.258	#2, Solid	1,172.6			#3, 6/1	2,250			#2, Solid; 5A	3,003; 3,193
.260	#3, 7W	1,100							#3, 7W	2,433
.261							#4, 5/2	2,830		
.268					#2, 7W	1,266				
.276									6D	4,942
.281	#3, 6/1	2,250					#4, 4/3	4,305		
.286									#3, 3W	2,359
.289									#1, Solid	3,688
.290					#2, 6/1	2,790			4A	3,938
.292	#2, 7W	1,340							#2, 7W	3,045
.298					#2, 7/1	3,525				
.301					#1, 7W	1,537				
.307							#4, 3/4	6,325		
.308									2F	4,233
.309							#2, 6/1	2,760		
.310									5D	6,035
.316	#2, 6/1	2,790	#2, 7W	2,195						
.320									#2, 3W	2,913
.325	#2, 7/1	3,525							1/0, Solid	4,517
.326					#1, 6/1	3,480			5P	9,311
.327									2G	5,626
.328	#1, 7W	1,620							#1, 7W; 4N	3,804; 8,460
.330							#2, 5/2	4,436		
.332	#1, 19W	1,685							#1, 19W	3,899
.338					1/0, 7W	1,865				
.340					1/0, 19W	2,090	#4, 2/5	9,314		
.346									1F	5,266

## Conductor Reference

### Bare Conductor Information AWG or kcmil — continued

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.348									4D	7,340
.349									2J	7,322
.355	#1, 6/1	3,480					#2, 4/3	6,785		
.360									#1, 3W	3,620
.365					1/0, 6/1	4,280			2/0, Solid	5,519
.366									2A; 4P	5,876; 11,420
.367	80, 8/1	5,200							1G	6,956
.368	1/0, 7W	1,970							1/0, 7W; 3N	4,750; 10,390
.372									1/0, 19W	4,901
.373	1/0, 19W	2,090								
.377									2K	9,730
.381					2/0, 7W	2,350				
.382					2/0, 19W	2,586				
.386							#2, 3/4	9,793		
.388									1/0F	6,536
.390							1/0, 6/1	4,246	1/0, 12W	4,841
.392									1J	9,000
.398	1/0, 6/1	4,280	1/0, 7W	3,405						
.410					2/0, 6/1	5,345				
.411									3P	13,910
.412									1/0G	8,563
.413									2N	12,680
.414	2/0, 7W	2,485							2/0, 7W	5,927
.416							1/0, 5/2	6,712		
.419	2/0, 19W	2,586							2/0, 19W	6,152
.423									1K	11,900
.426					3/0, 7W	2,845				
.428					3/0, 19W	3,200				
.429							#2, 2/5	14,060		
.436									2/0F	8,094
.438							2/0, 6/1	5,135	2/0, 12W	6,048
.440									1/0J	10,970
.447	2/0, 6/1	5,345	2/0, 7W	4,230			1/0, 4/3	10,020		
.461	101.8, 12/7	9,860			3/0, 6/1	6,675				
.462									2P	16,870
.463									2/0G	10,510
.464	3/0, 7W	3,005							3/0, 7W; IN	7,366; 15,410
.467							2/0, 5/2	8,040		
.470	3/0, 19W	3,200							3/0, 19W	7,698
.475									1/0K	14,490
.480					4/0, 7W	3,590				
.481	110.8, 12/7	10,730			4/0, 19W	3,890				
.487							1/0, 3/4	14,006		
.492									3/0, 12W	7,556
.494									2/0J	13,430
.502	3/0, 6/1	6,675	3/0, 7W	4,965			2/0, 4/3	12,000		
.517					4/0, 6/1	8,420				
.522	4/0, 7W	3,590							4/0, 7W	9,154
.523					250, 19W	4,506				
.528	4/0, 19W	3,980							4/0, 19W	9,617
.530	134.6, 12/7	12,920								
.534									2/0K	17,600
.537					266.8, 7W	4,775				
.540					266.8, 19W	4,800				
.541							1/0, 2/5	20,030		
.550									4/0F	12,290

### Bare Conductor Information AWG or kcmil — continued

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.552							4/0, 6/1	7,685	4/0, 12W	9,483
.559					266.8, 18/1	7,100				
.563	4/0, 6/1	8,420	4/0, 7W	6,265						
.571									4/0EK	15,370
.573					300, 19W	5,301				
.574	250, 19W								250, 19W	11,360
.575	250, 37W	4,860					4/0, 15/4	10,870	250, 37W	11,560
.576	159, 12/7	15,200								
.583									4/0G	15,640
.586	266.8, 7W	4,780								
.593	266.8, 19W	4,810			300, 18/1	7,990				
.594	266.8, 37W									
.600									250, 12W	11,130
.603					336.4, 7W	5,885				
.607	176.9, 12/7	16,440			336.4, 19W	5,940				
.609	266.8, 18/1	7,100								
.613									4/0E	20,730
.618					350, 19W	6,185				
.621									250EK	17,840
.628	300, 19W	5,890			336.4, 18/1	8,950			300, 19W	13,510
.630	300, 37W	5,830							300, 37W	13,870
.631	190.8, 12/7	17,730								
.633	266.8, 6/7	9,645								
.642	266.8, 26/7	11,250	266.8, 19W	8,180						
.657									300, 12W	13,170
.660					397.5, 19W	6,880				
.664	211.3, 12/7	19,640								
.666	336.4, 19W	5,945							250E	23,920
.678									350, 19W	15,590
.679	350, 19W	6,180					336.4, 18/1	8,650		
.680	300, 26/7	12,650							300EK	20,960
.681	350, 37W	6,680							350, 37W	16,060
.682					397.5, 18/1	10,040				
.684	336.4, 18/1	8,950								
.700	300, 30/7	15,430								
.710									350, 12W	15,140
.714	203.2, 16/19	27,500								
.721	336.4, 26/7	14,050								
.722					477, 19W	8,090				
.724	397.5, 19W	6,885								
.726									400, 19W	17,560
.728	400, 37W	7,350							400, 37W	18,320
.729									300E	27,770
.735									350EK	23,850
.739					500, 19W	8,480				
.741	336.4, 30/7	17,040								
.742					477, 18/1	11,870				
.743	397.5, 18/1	10,400								
.770									450, 19W	19,750
.772	450, 37W	8,110							450, 37W	20,450
.780					556, 19W	9,440				
.782			397.5, 19W	11,840						
.783	397.5, 26/7	16,190								
.788									350E	32,420
.793	477, 19W	8,090								
.795	477, 37W	8,600								

**Conductor Reference**

**Bare Conductor Information AWG or kcmil — continued**

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.801					556.5, 18/1	13,850				
.806	397.5, 30/7	19,980								
.811	500, 19W	9,425							500, 19W	21,950
.813	500, 37W	9,010							500, 37W	22,510
.814	477, 18/1	12,300								
.834					636, 19W	10,790				
.846	477, 24/7	17,200								
.853									550, 37W	24,760
.855	500, 61W	10,490							550, 61W	25,230
.856	556, 19W	9,440								
.858	477, 26/7	19,430	477, 19W	13,450						
	556.5, 37W	9,835								
.862					636, 18/1	15,830				
.879	556.5, 18/1	14,300								
.883	477, 30/7	23,300								
.891									600, 37W	27,020
.893	600, 61W	11,450							600, 61W	27,530
.904	500, 30/7	24,450								
.914	556.5, 24/7	9,925								
.918	636, 37W	11,240								
.927	556.5, 26/7	19,850	556.5, 19W	15,680						
.928									650, 37W	29,130
.929	650, 61W	11,940							650, 61W	29,770
.932					795, 19W	16,540				
.940	636, 18/1	16,400								
.953	556.5, 30/7	27,200								
.953	605, 24/7	21,500								
.953	605, 54/7	22,500								
.962									700, 37W	31,170
.964	700, 61W	12,860							700, 61W	31,820
.966	605, 26/7	24,100								
.974	715.5, 37W	12,640								
.975	715.5, 61W	13,150								
.977	636, 24/7	22,600								
.977	636, 54/7	23,600								
.981					874.5, 37W	14,830				
.990	636, 26/7	25,000	636, 37W	19,110						
.994	605, 30/19	30,000			874.5, 36/1	17,900				
.997	750, 37W	14,430							750, 37W	33,400
.998	750, 61W	13,510							750, 61W	34,090
1.000	666.6, 24/7	23,700								
1.000	666.6, 54/7	24,500								
1.019	636, 30/19	30,500								
1.024					954, 37W	16,180				
1.026	795, 37W	13,770								
1.028	795, 61W	14,330								
1.029									800, 37W	35,120
1.031	800, 61W	14,410							800, 61W	36,360
1.039					954, 36/1	19,520				
1.040	795, 36/1	10,000								
1.051	715.5, 26/7	28,100								
1.061									850, 37W	37,310
1.062									850, 61W	38,270
1.063	795, 45/7	22,900								
1.077	874.5, 37W	14,840								
1.078	874.5, 61W	15,760								

### Bare Conductor Information AWG or kcmil — continued

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
1.081	715.5, 30/19	34,600								
1.092									900, 37W	39,510
1.093	795, 54/7	28,500								
1.094	900, 61W	15,900							900, 61W	40,520
1.108	795, 26/7	31,200	795, 37W	23,590						
1.124	954, 37W	16,180								
1.126	954, 61W	16,860								
1.140	795, 30/19	38,400								
1.146	874.5, 54/7	31,400								
1.151	1,000, 37W								1,000, 37W	43,830
1.152	1,000, 61W	17,670							1,000, 61W	45,030
1.162	900, 54/7	32,300								
1.165	954, 45/7	26,900								
1.170	1,033.5, 37W	17,530								
1.172	1,033.5, 61W	18,260								
1.196	954, 54/7	34,200								
1.213	1,033.5, 45/7	28,900								
1.216	1,113, 61W	19,670								
1.246	1,033.5, 54/7	37,100								
1.258	1,192.5, 61W	21,070								
1.259	1,113, 45/7	30,900								
1.288					1,468 36/1	30,000				
1.293	1,113, 54/19	40,200								
1.300	1,272, 61W	22,030								
1.302	1,192.5, 45/7	33,200								
1.333	1,192.5, 54/19	43,100								
1.340	1,351.5, 61W	23,400								
1.345	1,272, 45/7	35,400								
1.379	1,431, 61W	23,400								
1.382	1,272, 54/19	44,800								
1.417	1,510.5, 61W	25,630								
1.424	1,351.5, 54/19	47,600								
1.427	1,431, 45/7	39,800								
1.443	1,431, 54/19,	50,400								
	1,590, 61W	26,970								
1.454	1,590, 91W	28,100								
1.465	1,431, 54/19	50,400								
1.504	1,590, 45/7	43,800								
1.506	1,510.5, 54/19	53,300								
1.545	1,590, 54/19	56,000								
1.602	1,780, 84/19	53,600								
1.630	2,000, 91W	34,640								
1.823	2,500, 91W	42,410								
1.996	3,000, 127W	50,890								
2.158	3,500, 127W	59,380								

## Conductor Reference

### AWG/kcmil vs. Metric Wire Sizes — Option 1

Circ. Mills Typical	AWG Size	Metric Wire Size mm <sup>2</sup>	Equivalent Circ. Mills	Stranding/Wire Diameter per Strand		Approximate Overall Diameter	
				in.	mm	in.	mm
		0.50	987	1/.032	1/.813	.032	0.81
1020	20			7/.0121	7/.307	.036	0.91
		0.75	1480	1/.039	1/.991	.039	0.99
1620	18			1/.0403	1/1.02	.040	1.02
1620	18			7/.0152	7/.386	.046	1.16
		1.0	1974	1/.045	1/1.14	.045	1.14
		1.0	1974	7/.017	7/.432	.051	1.30
2580	16			1/.0508	1/1.29	.051	1.29
2580	16			7/.0192	7/.488	.058	1.46
		1.5	2960	1/.055	1/1.40	.055	1.40
		1.5	2960	7/.021	7/5.33	.063	1.60
4110	14			1/.0641	1/1.63	.064	1.63
4110	14			7/.0242	7/.615	.073	1.84
		2.5	4934	1/.071	1/1.80	.071	1.80
		2.5	4934	7/.027	7/.686	.081	2.06
6530	12			1/.0808	1/2.05	.081	2.05
6530	12			7/.0305	7/.775	.092	2.32
		4	7894	1/.089	1/2.26	.089	2.26
		4	7894	7/.034	7/.864	.102	2.59
10380	10			1/.1019	1/2.59	.102	2.59
10380	10			7/.0385	7/.978	.116	2.93
		6	11840	1/.109	1/2.77	.109	2.77
		6	11840	7/.042	7/.107	.126	3.21
13090	9			1/.1144	1/2.91	.1144	2.91
13090	9			7/.0432	7/1.10	.130	3.30
16510	8			1/.1285	1/3.26	.128	3.26
16510	8			7/.0486	7/1.23	.146	3.70
		10	19740	1/.141	1/3.58	.141	3.58
		10	19740	7/.054	7/1.37	.162	4.12
20820	7			1/.1443	1/3.67	.144	3.67
20820	7			7/.0545	7/1.38	.164	4.15
26240	6			1/.162	1/4.11	.162	4.11
26240	6			7/.0612	7/1.55	.184	4.66
		16	31580	7/.068	7/1.73	.204	5.18
33090	5			7/.0688	7/1.75	.206	5.24
41740	4			7/.0772	7/1.96	.232	5.88
		25	49340	7/.085	7/2.16	.255	6.48
		25	49340	19/.052	19/1.32	.260	6.60
52620	3			7/.0867	7/2.20	.260	6.61
66360	2			7/.0974	7/2.47	.292	7.42
		35	69070	7/.100	7/2.54	.300	7.62
		35	69070	19/.061	19/1.55	.305	7.75

### AWG/kcmil vs. Metric Wire Sizes — Option 1 — Continued

Circ. Mils Typical	AWG Size	Metric Wire Size mm <sup>2</sup>	Equivalent Circ. Mils	Stranding/Wire Diameter per Strand		Approximate Overall Diameter	
				in.	mm	in.	mm
83690	1			19/.0664	19/1.69	.332	8.43
		50	98680	19/.073	19/1.85	.365	9.27
105600	1/0			19/.0745	19/1.89	.373	9.46
133100	2/0			19/.0837	19/2.13	.419	10.6
		70	138100	19/.086	19/2.18	.430	10.9
167800	3/0			19/.094	19/2.39	.470	11.9
167800	3/0			37/.0673	37/1.71	.471	12.0
		95	187500	19/.101	19/2.57	.505	12.8
		95	187500	37/.072	37/1.83	.504	12.8
211600	4/0			19/.1055	19/2.68	.528	13.4
		120	237.8 kcmil	37/.081	37/2.06	.567	14.4
250 kcmil				37/.0822	37/2.09	.575	14.6
300 kcmil		150		37/.090	37/2.29	.630	16.0
350 kcmil				37/.0973	37/2.47	.681	17.3
		185	365.1 kcmil	37/.100	37/2.54	.700	17.8
400 kcmil				37/.104	37/2.64	.728	18.5
		240	473.6 kcmil	37/.114	37/2.90	.798	20.3
		240	473.6 kcmil	61/.089	61/2.26	.801	20.3
500 kcmil				37/.1162	37/2.95	.813	20.7
500 kcmil				61/.0905	61/2.30	.814	20.7
		300	592.1 kcmil	61/.099	61/2.51	.891	22.6
600 kcmil				61/.0992	61/2.52	.893	22.7
700 kcmil				61/.1071	61/2.72	.964	24.5
750 kcmil				61/.1109	61/2.82	.998	25.4
750 kcmil				91/.0908	91/2.31	.999	25.4
		400	789.4 kcmil	61/.114	61/2.90	1.026	26.1
800 kcmil				61/.1145	61/2.91	1.031	26.2
800 kcmil				91/.0938	91/2.38	1.032	26.2
1000 kcmil		500	986.8 kcmil	61/.1280	61/3.25	1.152	29.3
1000 kcmil				91/.1048	91/2.66	1.153	29.3
		625	1233.7 kcmil	91/.117	91/2.97	1.287	32.7
1250 kcmil				91/.1172	91/2.98	1.289	32.7
1250 kcmil				127/.0992	127/2.52	1.290	32.8
1500 kcmil				91/.1284	91/3.26	1.412	35.9
1500 kcmil				127/.1087	127/2.76	1.413	35.9
		800	1578.8 kcmil	91/.132	91/3.35	1.452	36.9
		1000	1973.5 kcmil	91/.147	91/3.73	1.617	41.1
2000 kcmil				127/.1255	127/3.19	1.632	41.5
2000 kcmil				169/.1088	169/2.76	1.632	41.5

**Conductor Reference**

**AWG/kcmil vs. Metric Wire Sizes — Option 2**

Approximate Overall Diameter			Circ. Mils	AWG Size	Metric Wire Size mm <sup>2</sup>	Equivalent Circ. Mils	Stranding/ Wire Diameter per Strand	
in.	mm	in.					mm	
.032	0.81				0.50	987	1/.032	1/.813
.036	0.91		1020	20			7/.0121	7/.307
.039	0.99				0.75	1480	1/.039	1/.991
.040	1.02		1620	18			1/.0403	1/1.02
.046	1.16		1620	18			7/.0152	7/.386
.045	1.14				1.0	1974	1/.045	1/1.14
.051	1.30				1.0	1974	7/.017	7/.432
.051	1.29		2580	16			1/.0508	1/1.29
.058	1.46		2580	16			7/.0192	7/.488
.055	1.40				1.5	2960	1/.055	1/1.40
.063	1.60				1.5	2960	7/.021	7/5.33
.064	1.63		4110	14			1/.0641	1/1.63
.073	1.84		4110	14			7/.0242	7/.615
.071	1.80				2.5	4934	1/.071	1/1.80
.081	2.06				2.5	4934	7/.027	7/.686
.081	2.05		6530	12			1/.0808	1/2.05
.092	2.32		6530	12			7/.0305	7/.775
.089	2.26				4	7894	1/.089	1/2.26
.102	2.59				4	7894	7/.034	7/.864
.102	2.59		10380	10			1/.1019	1/2.59
.116	2.93		10380	10			7/.0385	7/.978
.109	2.77				6	11840	1/.109	1/2.77
.126	3.21				6	11840	7/.042	7/.107
.1144	2.91		13090	9			1/.1144	1/2.91
.130	3.30		13090	9			7/.0432	7/1.10
.128	3.26		16510	8			1/.1285	1/3.26
.146	3.70		16510	8			7/.0486	7/1.23
.141	3.58				10	19740	1/.141	1/3.58
.162	4.12				10	19740	7/.054	7/1.37
.144	3.67		20820	7			1/.1443	1/3.67
.164	4.15		20820	7			7/.0545	7/1.38
.162	4.11		26240	6			1/.162	1/4.11
.184	4.66		26240	6			7/.0612	7/1.55
.204	5.18				16	31580	7/.068	7/1.73
.206	5.24		33090	5			7/.0688	7/1.75
.232	5.88		41740	4			7/.0772	7/1.96
.255	6.48				25	49340	7/.085	7/2.16
.260	6.60				25	49340	19/.052	19/1.32
.260	6.61		52620	3			7/.0867	7/2.20
.292	7.42		66360	2			7/.0974	7/2.47
.300	7.62				35	69070	7/.100	7/2.54
.305	7.75				35	69070	19/.061	19/1.55

### AWG/kcmil vs. Metric Wire Sizes — Option 2 (continued)

Approximate Overall Diameter			Circ. Mils	AWG Size	Metric Wire Size mm <sup>2</sup>	Equivalent Circ. Mils	Stranding/ Wire Diameter per Strand	
in.	mm	in.					mm	
.332	8.43		83690	1			19/.0664	19/1.69
.365	9.27				50	98680	19/.073	19/1.85
.373	9.46		105600	1/0			19/.0745	19/1.89
.419	10.6		133100	2/0			19/.0837	19/2.13
.430	10.9				70	138100	19/.086	19/2.18
.470	11.9		167800	3/0			19/.094	19/2.39
.471	12.0		167800	3/0			37/.0673	37/1.71
.505	12.8				95	187500	19/.101	19/2.57
.504	12.8				95	187500	37/.072	37/1.83
.528	13.4		211600	4/0			19/.1055	19/2.68
.567	14.4				120	237.8 kcmil	37/.081	37/2.06
.575	14.6		250 kcmil				37/.0822	37/2.09
.630	16.0		300 kcmil		150		37/.090	37/2.29
.681	17.3		350 kcmil				37/.0973	37/2.47
.700	17.8				185	365.1 kcmil	37/.100	37/2.54
.728	18.5		400 kcmil				37/.104	37/2.64
.798	20.3				240	473.6 kcmil	37/.114	37/2.90
.801	20.3				240	473.6 kcmil	61/.089	61/2.26
.813	20.7		500 kcmil				37/.1162	37/2.95
.814	20.7		500 kcmil				61/.0905	61/2.30
.891	22.6				300	592.1 kcmil	61/.099	61/2.51
.893	22.7		600 kcmil				61/.0992	61/2.52
.964	24.5		700 kcmil				61/.1071	61/2.72
.998	25.4		750 kcmil				61/.1109	61/2.82
.999	25.4		750 kcmil				91/.0908	91/2.31
1.026	26.1				400	789.4 kcmil	61/.114	61/2.90
1.031	26.2		800 kcmil				61/.1145	61/2.91
1.032	26.2		800 kcmil				91/.0938	91/2.38
1.152	29.3		1000 kcmil		500	986.8 kcmil	61/.1280	61/3.25
1.153	29.3		1000 kcmil				91/.1048	91/2.66
1.287	32.7				625	1233.7 kcmil	91/.117	91/2.97
1.289	32.7		1250 kcmil				91/.1172	91/2.98
1.290	32.8		1250 kcmil				127/.0992	127/2.52
1.412	35.9		1500 kcmil				91/.1284	91/3.26
1.413	35.9		1500 kcmil				127/.1087	127/2.76
1.452	36.9				800	1578.8 kcmil	91/.132	91/3.35
1.617	41.1				1000	1973.5 kcmil	91/.147	91/3.73
1.632	41.5		2000 kcmil				127/.1255	127/3.19
1.632	41.5		2000 kcmil				169/.1088	169/2.76