



**Henan Huaxing Wires and Cable Co.,Ltd**  
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Aluminum 8000Series PV Wire 2000V

Conductor Size (AWG/kcmil)	Conductor Stranding	Nominal Conductor O.D.		Minimum Insulation	Average Thickness	Nominal Cable Diameter		Aluminum Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	/MFT (lb)	/km (Kg)	/MFT (lb)	/km (Kg)
8 AWG - 1000 kcmil CONDUCTORS											
8	7/.0486	0.134	3.40	0.085	2.16	0.310	7.87	16	23	52	78
6	7/.0612	0.169	4.29	0.085	2.16	0.345	8.76	25	37	67	100
4	7/.0772	0.213	5.41	0.085	2.16	0.389	9.88	39	58	90	133
2	7/.0974	0.268	6.81	0.085	2.16	0.444	11.28	63	93	122	182
1	19/.0664	0.299	7.59	0.105	2.67	0.515	13.08	79	117	162	241
1/0	19/.0745	0.336	8.53	0.105	2.67	0.552	14.02	99	148	191	284
2/0	19/.0837	0.376	9.55	0.105	2.67	0.592	15.04	125	186	225	334
3/0	19/.0940	0.423	10.74	0.105	2.67	0.639	16.23	158	235	267	398
4/0	19/.1055	0.475	12.07	0.105	2.67	0.691	17.55	199	296	319	475
250	37/.0822	0.520	13.21	0.120	3.05	0.766	19.46	262	390	413	615
300	37/.0900	0.570	14.48	0.120	3.05	0.816	20.73	282	420	445	663
350	37/.0972	0.616	15.65	0.120	3.05	0.862	21.89	329	490	503	749
400	37/.1040	0.659	16.74	0.120	3.05	0.905	22.99	376	560	561	835
500	37/.1159	0.736	18.69	0.120	3.05	0.982	24.94	471	701	675	1004
600	61/.0992	0.813	20.65	0.135	3.43	1.089	27.66	565	841	818	1217
750	61/.1109	0.908	23.06	0.135	3.43	1.184	30.07	706	1051	985	1466
1000	61/.1280	1.060	26.92	0.135	3.43	1.336	33.93	914	1360	1235	1838

Dimensions and weights are nominal; subject to industry tolerances.

\* Non-stock item; minimum runs apply. Please contact Customer Service for price and delivery.



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Copper Conductor PV Wire 2000V

Conductor Size (AWG/kcmil)	Stranding	Nominal Conductor O.D.		Minimum Average Insulation Thickness		Nominal Cable Diameter		Copper Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb/MFT)	(Kg/km)	(lb/MFT)	(Kg/km)
18	19/.0092	0.045	1.14	0.075	1.90	0.199	5.05	5	7	16	24
16	19/.0117	0.056	1.42	0.075	1.90	0.210	5.33	8	12	21	31
14	19/.0142	0.07	1.78	0.075	1.90	0.224	5.69	13	19	32	48
12	19/.0185	0.088	2.23	0.075	1.90	0.224	6.20	20	30	42	62
10	19/.0234	0.112	2.84	0.075	1.90	0.268	6.81	32	48	57	85
8	19/.0295	0.143	3.63	0.085	2.16	0.326	8.28	50	74	87	129
6	19/.0372	0.184	4.67	0.085	2.16	0.363	9.22	81	121	123	183
4	19/.0469	0.234	5.94	0.085	2.16	0.406	10.31	129	192	181	269
2	19/.0526	0.296	7.52	0.085	2.16	0.474	12.04	205	305	266	396
1	19/.0664	0.323	8.2	0.105	2.67	0.538	13.66	258	384	350	521
1/0	19/.0740	0.37	9.4	0.105	2.67	0.586	14.88	326	485	429	638
2/0	19/.0837	0.41	10.41	0.105	2.67	0.631	16.03	411	611	527	784
3/0	19/.0940	0.46	11.68	0.105	2.67	0.674	17.12	518	771	647	963
4/0	19/.1055	0.52	13.21	0.105	2.67	0.737	18.72	653	972	796	1184
250	37/.0822	0.558	14.17	0.12	3.05	0.804	20.42	772	1149	938	1396
300	37/.0900	0.611	15.52	0.12	3.05	0.857	21.77	926	1378	1106	1646
350	37/.0972	0.661	16.79	0.12	3.05	0.907	23.04	1063	1582	1257	1870
400	37/.1040	0.706	17.93	0.12	3.05	0.952	24.18	1235	1838	1441	2144
500	37/.1159	0.789	20.04	0.12	3.05	1.035	26.29	1509	2246	1737	2585
600	61/.0992	0.866	22.00	0.135	3.43	1.142	29.01	1883	2802	2157	3211
750	61/.1109	0.968	24.59	0.135	3.43	1.244	31.60	2316	3447	2620	3900
1000	61/.1280	1.117	28.37	0.135	3.43	1.393	35.38	3088	4595	3437	5115