

COPPER PHOTOVOLTAIC WIRE 2000V

APPLICATIONS

Appropriate for use in solar power applications that require 1000 or 2000 volt rating. For use in grounded and ungrounded Photovoltaic power systems.

CONSTRUCTION

Stranded bare and tinned copper conductors per ASTM B-3, B-8.

Chemically Cross-linked Polyethylene insulation.

Available Colors: Black, Green, White, Red.

Print on one side with a contrasting ink. An extruded stripe and other colors are available upon request.

STANDARDS

UL 4703 Type PV

National Electrical Code (NEC)

ICEA S-95-658/NEMA WC70

UL 44 Type RHH or RHW-2

UL 854 Type USE-2 for 600 V

UL RWU90 1 kV (-40°C)

OTHER COMPLIANCES

EPA 40 CFR, Part 261 for leachable lead content per TCLP

OSHA Acceptable

RoHS Compliant, Sun Res, Gas and Oil Resistant II

OPTION

UL 1581 VW-1 compliance available on request

19 strand conductors available on request

PACKAGING

Material cut to length and shipped on non-returnable wood reels.

Conductor Size (AWG/kcmil)	Conductor Stranding	Nominal Conductor O.D.		Minimum Average Insulation Thickness		Nominal Cable Diameter		Copper Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	/MFT(lb)	/km(kg)	/MFT(lb)	/km(kg)
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	19/0745	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
450	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	1.224	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

