

COPPER PHOTOVOLTAIC WIRE 600V

APPLICATIONS

600V: For use in grounded and photovoltaic power systems.

CONSTRUCTION

Staranded 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 color 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

c(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 or steel 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	0.060	1.52	0.169	4.29	5	7	14	21
16	19/0117	0.056	1.42	0.060	1.52	0.180	4.57	8	12	18	27
14	19/0142	0.07	1.78	0.060	1.52	0.194	4.93	13	19	274	40
12	19/0185	0.088	2.23	0.060	1.52	0.214	5.43	20	30	36	54
10	19/0234	0.112	2.84	0.060	1.52	0.238	6.04	32	48	51	76
8	19/0295	0.143	3.63	0.080	2.03	0.307	7.80	50	74	85	126
6	19/0372	0.184	4.67	0.080	2.03	0.348	8.84	81	121	123	183
4	19/0469	0.234	5.94	0.080	2.03	0.398	10.11	129	192	180	268
2	19/0526	0.296	7.52	0.080	2.03	0.460	11.68	205	305	267	397
1	19/0664	0.323	8.2	0.095	2.41	0.515	13.08	258	384	333	495
1/0	19/0745	0.37	9.4	0.095	2.41	0.563	14.30	326	485	410	610
2/0	19/0837	0.41	10.41	0.095	2.41	0.608	15.44	411	611	502	747
3/0	19/0940	0.46	11.68	0.095	2.41	0.658	16.71	518	771	620	922
4/0	19/1055	0.52	13.21	0.095	2.41	0.714	18.13	653	972	767	1141
250	37/0822	0.558	14.17	0.110	2.79	0.784	19.91	772	1149	923	1374
300	37/0900	0.611	15.52	0.110	2.79	0.837	21.26	926	1378	1090	1622
450	37/0972	0.661	16.79	0.110	2.79	0.887	22.53	1063	1582	1240	1845
400	37/1040	0.706	17.93	0.110	2.79	0.932	23.67	1235	1838	1423	2117
500	37/1159	0.789	20.04	0.110	2.79	1.015	25.78	1509	2246	1718	2557
600	61/0992	0.866	22.00	0.125	3.18	1.122	28.50	1883	2802	2136	3179
750	61/1109	0.968	24.59	0.125	3.18	1.224	31.09	2316	3447	2597	3865
1000	61/1280	1.117	28.37	0.125	3.18	1.373	34.87	3088	4595	3411	5075

