



POWER KABEL INC.

Photovoltaic (PV) Wire CU 600V

APPLICATIONS & FEATURES

Appropriate for use in solar power applications that require 600V rating. For use in grounded interconnection and ungrounded Photovoltaic power systems.

INDUSTRY COMPLIANCES

- ASTM B3, B8 and B787
- UL 44, UL 83, UL 854, UL Subject 4703, C (UL)
- Direct Burial Rated Flame Rated: VW-1 per UL 2556 Federal Spec. A-A-59544
- ICEA S-95-658/NEMA WC-70 CT rated 1/0 and larger
- Sunlight Resistant Gasoline and Oil Resistant II -40° C rated Suitable for use in 105 C Dry System
- Lead Free - ROHS Compliant R.E.A.C.H. Compliant

CONSTRUCTION

CONDUCTORS: Stranded Bare copper Per ASTM B3, B8 and B787
INSULATION: Thermo-set Cross Linked Polyethylene

AWG	NUMBER OF STRANDS	INSULATION THICKNESS (MILS)	APPROX. O.D. INCHES	APPROXIMATE WEIGHT/1000 FT	COPPER WEIGHT/1000FT
14	7	60	0.193	27	13
12	7	60	0.212	37	20.2
10	7	60	0.236	51	33
8	7	75	0.296	81	50.98
6	7	75	0.334	116	81.02
4	7	75	0.382	170	128.9
3	7	75	0.41	207	167
2	7	75	0.442	254	204
1	19	95	0.511	329	258.2
1/0	19	95	0.55	402	326
2/0	19	95	0.694	495	411
3/0	19	95	0.644	611	518
4/0	19	95	0.7	755	653.3
250 MCM	37	110	0.795	906	772
300 MCM	37	110	0.849	1071	926
350 MCM	37	110	0.901	1235	1081
400 MCM	37	110	0.948	1933	1235
500 MCM	37	110	1.033	1724	1544