



POWER KABEL INC.

Photovoltaic (PV) Wire CU 1KV & 2KV

APPLICATIONS & FEATURES

Appropriate for use in solar power applications that require 1KV-2KV 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	75	0.223	33.73	13
12	7	75	0.242	43.84	20.2
10	7	75	0.266	59.09	33
8	7	85	0.316	88.12	50.98
6	7	85	0.354	124.06	81.02
4	7	85	0.402	179.6	128.9
3	7	85	0.43	217.86	167
2	7	85	0.462	265.39	204
1	19	105	0.542	345	258.2
1/0	19	105	0.583	421	326
2/0	19	105	0.629	515	411
3/0	19	105	0.68	632	518
4/0	19	105	0.738	779	653.3
250 MCM	37	120	0.815	943	772
300 MCM	37	120	0.87	1113	926
350 MCM	37	120	0.921	1284	1081
400 MCM	37	120	0.968	1453	1235
500 MCM	37	120	1.053	1793	1544