

1. PV CABLE ALUMINUM CONDUCTOR - 2000V

Application: Paramount Cables aluminum 2000V Photovoltaic Cable is primarily used for interconnection wiring of grounded and ungrounded photovoltaic power systems.. The PV cable is for applications up to 2000 volts and The product is approved for use in solar power applications per the NEC article 690 and is rated 90°C for exposed or concealed wiring in wet or dry location

Conductors: Compact Stranded 8000 series Aluminum Alloy.

Insulation: Cross Linked Polyethylene(XLPE) Standrad colour are Black & Red.Other Colours are available upon request.

Standards: UL 44 for RHW-2,UL 854 for USE-2,UL 4703 for PV ,Requirements of the National Electrical Code ,ASTM standards B 800, B 801.



Optional Rating:- Direct Burial,-40°C Cold Bend & VW-1 as per requirement of Customer.

COND. SIZE	NUMBER OF COND. STRANDING	NOMINAL CONDUCTOR O.D	MIN. INSULATION THICKNESS	NOMINAL CABLE DIAMETER	APPROX. NET WEIGHT	DC RESISTANCE @20°C	AMPACITY AT 90°C *
(AWG/MCM)	No.	INCHES	MILS	INCHES	LBS/1000FT	OHM/1000FT	AMPS
6	7	0.167	85	0.337	55	0.674	55
4	7	0.213	85	0.382	75	0.424	75
2	7	0.268	85	0.437	104	0.267	100
1	19	0.299	105	0.508	138	0.211	115
1/0	19	0.336	105	0.545	164	0.168	135
2/0	19	0.375	105	0.585	196	0.133	150
3/0	19	0.421	105	0.631	235	0.106	175
4/0	19	0.475	105	0.686	284	0.0836	205
250	37	0.519	120	0.758	342	0.0708	230
300	37	0.570	120	0.811	398	0.0590	260
350	37	0.614	120	0.854	452	0.0505	280
400	37	0.657	120	0.897	507	0.0442	305
500	37	0.734	120	0.974	614	0.0354	350
600	61	0.807	135	1.077	751	0.0295	385
700	61	0.874	135	1.144	836	0.0253	425
750	61	0.904	135	1.174	900	0.0236	435
900	61	1.000	135	1.27	1050	0.0197	480
1000	61	1.055	135	1.325	1166	0.0177	500

* Ampacities shown are for general use as mentioned in National Electric Code as per table 310.15(B) based on Ambient temperature of 30°C.