

Copper Photovoltaic Cable



APPLICATION:

Copper Photovoltaic Cable is primarily used for interconnection wiring of grounded and ungrounded photovoltaic power systems. The cable is for applications up to 600V or 2KV per rated voltage and temperatures from -40°C to +90°C wet or dry.

CONDUCTOR:

- Stranded copper conductor per ASTM B3, B8, or B787

INSULATION:

- Cross-linked polyethylene (XLPE), gas/oil and sunlight resistant, direct burial rated

STANDARDS:

- ASTM B3, B8, or B787
- UL listed PV wire per UL4703
- RHH RHW-2 USE-2 per UL 44, UL 854
- Sunlight Resistant & Direct Burial, UL listed
- FV-1 flame test

Part Number	Conductor Size	No. of Strands	Insulation Thickness	Overall Diameter	Net Weight	DC Resistance at 20°C	Ampacity* at 90°C
	AWG/kcmil		mils	mils	lbs/kft	Ω/kft	amps
2KV Copper PV							
10-01CUPV	10	7 or 19	75	266	57	1.0200	40*
8-01CUPV	8	7 or 19	85	316	86	0.6400	55
6-01CUPV	6	7	85	354	121	0.4030	75
4-01CUPV	4	7	85	402	176	0.2530	95

All values are nominal and subject to correction

*Refer to NEC 240.4(D) for conductor overcurrent protection limitations.

**Ampacities are based on Table 310.15(B)(16) of the NEC 2017 Edition for no more than three current carrying conductors at conductor temperatures of 90°C, and ambient temperature of 30°C.

