

PV Wire Photovoltaic Cable

Product Description: Single-conductor, insulated and jacketed, sunlight resistant, photovoltaic wire rated at 90°C wet or dry, 600V or 1000V



Made in the U.S.A.

Standard Color - Black
(Other colors upon request)
Primary Voltage 600/1000V
Temperature – 40°C to 90°C



UL Standard 4703
Issue Number 2
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Construction:

Primary Insulation –
Single conductor cross-linked polyethylene Type USE-2, flame retardant, VW-1 moisture resistant, RoHS, sunlight resistant, temperature rating 90° wet or dry, -40°C cold. Suitable for conduit and raceways installed underground in conduit.

Jacket –

Thermoplastic RoHS jacket, temperature rating 90°C, sunlight resistant, flame rated VW-1, low temperature –40°C, water resistant, crush resistant.

600V PV Wire

P/N	AWG	STRAND	INS THICKNESS	JKT THICKNESS	NOM DIA.	APPROX WEIGHT
0225PV	14	7/BC	.045	.030	.220	31
0215PV	12	7/BC	.045	.030	.240	42
02122PV	10	7/BC	.045	.030	.270	57
02119PV	8	7/BC	.060	.030	.330	88
02131PV	6	7/BC	.060	.030	.369	
02132PV	4	7/BC	.060	.030	.417	
TBD	2	7/BC	.060	.030	.479	

These values are nominal in accordance with industry standards. Additional gauges, tinned copper or flexible stranding are available upon request.

UL Standards

USE, USE-2 600V per UL854
RW-90 1000V Per UL44 CSA C 22.2 No 38
RHH, RHW, RHW-2 PER UL44
USE & USE-2 – Rated for direct burial and underground
Duct services per UL854

Vertical flame and FT-1 per UL1581, Section 1060
XENON-ARG test per UL1580, Section 1200
Flexibility at low temperature per UL1581, Section 583

Electrical Testing

Spark test at:
10,000V RMS 14-10 AWG
12,500V RMS 8 AWG
Dielectric test potential:
6,000V RMS 14-10 AWG
7,500V RMS 8 AWG
in accordance with UL44
Continuity test per UL44

5/26/09-updated Electrical Test
1/17/10-added CSA to RW90 * direct burial per UL854



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