

PV WIRE PHOTOVOLTAIC CABLE GENERAL SPECIFICATIONS

Product Description: Single-conductor, insulated and jacketed, sunlight resistant, photovoltaic wire rated at 90°C dry or 90°C wet, 600V, 1000V or 2000V.

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° dry and 90°C wet, -40°C cold.

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

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
 RHH, RHW, RHW-2 PER UL44

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:
 7500V RMS 14-10 AWG
 10,000V RMS 8 AWG
 Dielectric test potential:
 3000V RMS 14-10 AWG
 3500V RMS 8 AWG
 in accordance with UL854
 Continuity test per UL854

