

PV Wire – 2KV

Double Pass



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

Construction: Primary Insulation – Single Conductor cross-linked polyethylene Type USE-2, flame retardant, FT-1, moisture resistant, RoHS, sunlight resistant, temperature rating 90°C wet or dry, 40°C cold. Suitable for conduit and raceways.

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

P/N	AWG	STRAND	INS THICKNESS	JKT THICKNESS	NOM DIA.
0225PV2KV	14	7/BC	.060	.030	.250
0215PV2KV	12	7/BC	.060	.030	.270
02122PV2KV	10	7/BC	.060	.030	.300
02119PV2KV	8	7/BC	.075	.030	.360
02131PV2KV	6	7/BC	.075	.030	.399
02132PV2KV	4	7/BC	.075	.030	.447
02136PV2KV	2	7/BC	.075	.030	.509
02137PV2KV	1	19/BC	.095	.030	.571
02135PV2KV	1/0	19/BC	.095	.030	.610
02138PV2KV	2/0	19/BC	.095	.030	.654
02139PV2KV	3/0	19/BC	.095	.030	.704
02140PV2KV	4/0	19/BC	.095	.030	.760

These values are nominal in accordance with industry standards.

Tinned copper or flexible stranding are available upon request.

All AWG's available in colors with sunlight resistance approval.

Standard Color: Black

Voltage: 2000V

Temperature: 40° to 90°C

UL Standards

Subject 4703

USE, USE-2 600V per UL854

RW-90 1000V Per UL44 CSA C 22.2 No 38

RHH, RHW, RHW-2 Per UL44

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



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