PV Wire
Double Pass

FALCON FINE WIRE
AND WIRE PRODUCTS, INC.

Product Description: Single-conductor wire, insulated and jacketed, sunlight resistant, photovoltaic wire rated at 90ºC 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.
0225PV	14	7/BC	.045	.030	.194
0215PV	12	7/BC	.045	.030	.215
02122PV	10	7/BC	.045	.030	.237
02119PV	8	7/BC	.060	.030	.305
02131PV	6	7/BC	.060	.030	.342
02132PV	4	7/BC	.060	.030	.385
02136PV	2	7/BC	.060	.030	.454
02137PV	1	19/BC	.060	.030	.515
02135PV	1/0	19/BC	.080	.030	.563
02138PV	2/0	19/BC	.080	.030	.608
02139PV	3/0	19/BC	.080	.030	.658
02140PV	4/0	19/BC	.080	.030	.714

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: 600V Temperature: ¯40º to 90ºC

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

FALCON FINE WIRE AND WIRE PRODUCTS, INC.
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