

UL Type PV (Photovoltaic) UL 4703, 600V, -40°C to 90°C

Product Description:

Single conductor, insulated and non-integrally jacketed, sunlight resistant, photovoltaic wire rated for 90°C wet or dry, 600V for interconnection wiring of grounded and ungrounded photovoltaic power systems as described in Section 630.31 (And other applicable parts of the National Electric Code (NEC), NFPA 70). Ratings only apply to certain gage sizes.

Electrical Characteristics:

- Maximum Operating Voltage: 600 VRMS (UL PV)

Physical Characteristics:

- Temperature Rating: -40°C to 90°C
- Conductor AWG: 18 to 8 AWG
- Conductor Material: Soft Annealed tinned stranded copper
- Separator: Paper Tape
- Insulation Material: XLPE
- Jacket Material: Sunlight-Resistant PVC
- Min. Bend Radius: 8x Diameter

Physical Characteristics (cont'd.):

- Applicable Specifications:

UL Type PV (overall) UL 4703
 USE-2 Rated
 (14 AWG & Larger 600V)
 UL Type RHW-2 (90°C wet)
 (14 AWG & Larger per UL)
 ROHS Compliant
 CE

- Flame Resistance: VW-1

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	Insulation Thickness		Jacket Thickness		Nominal OD		Standard Length		Standard Unit Weight		Stock Color
		Inch	mm	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

600V, -40°C to 90°C (UL)

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38218	18 (16x30)	.048	1.219	.033	.838	.215	5.461	1000	304.8	27.5	12.5	Black
								5000	609.6	132.5	60.1	10
38216	16 (26x30)	.048	1.219	.033	.838	.227	5.766	1000	304.8	33.5	15.2	Black
								5000	609.6	160.5	72.8	10
38214	14 (41x30)	.048	1.219	.033	.838	.243	6.172	1000	304.8	41.0	18.6	Black
								5000	609.6	200	90.7	10
38212	12 (65x30)	.048	1.219	.033	.838	.255	6.477	1000	304.8	49.5	22.5	Black
								5000	609.6	242.5	110	10
38210	10 (105x30)	.048	1.219	.033	.838	.288	7.315	1000	304.8	65.5	29.7	Black
								5000	609.6	320	145.1	10
38208	8 (133x29)	.063	1.600	.033	.838	.364	9.246	1000	304.8	105	47.6	Black
								5000	609.6	531	240.9	10

For More Information

For additional product information call: 1-800-BELDEN-1 (1-800-235-3361) or visit us at www.Belden.com. All information is subject to change without notice, since Belden reserves the right to change its products as progress in engineering and manufacturing methods or other circumstances may warrant.

UL Type PV (Photovoltaic) Single Conductor Solar Cable Capabilities

UL Subject 4703

These part numbers can be quoted for price and delivery upon request. Please contact customer service for information regarding our UL PV capabilities available now.

600V XLPE Single Layer Cables

Code	AWG	Insulation	Voltage	UL Type	Add'l Ratings
38008	8	XLPE	600V	UL 4703 Type PV	USE-2
38010	10	XLPE	600V	UL 4703 Type PV	USE-2
38012	12	XLPE	600V	UL 4703 Type PV	USE-2
38014	14	XLPE	600V	UL 4703 Type PV	USE-2
38016	16	XLPE	600V	UL 4703 Type PV	USE-2
38018	18	XLPE	600V	UL 4703 Type PV	USE-2

1kV & 2kV XLPE Single Layer Cables

Code	AWG	Insulation	Voltage	UL Type	Add'l Ratings
38108	8	XLPE	2000V	UL 4703 Type PV	USE-2
38110	10	XLPE	2000V	UL 4703 Type PV	USE-2
38112	12	XLPE	2000V	UL 4703 Type PV	USE-2
38114	14	XLPE	2000V	UL 4703 Type PV	USE-2
38116	16	XLPE	2000V	UL 4703 Type PV	USE-2
38118	18	XLPE	2000V	UL 4703 Type PV	USE-2

1kV & 2kV XLPE with PVC Jacketed Cables

Code	AWG	Insulation	Jacket	Voltage	UL Type	Add'l Ratings
38308	8	XLPE	PVC	2000V	UL 4703 Type PV	USE-2
38310	10	XLPE	PVC	2000V	UL 4703 Type PV	USE-2
38312	12	XLPE	PVC	2000V	UL 4703 Type PV	USE-2
38314	14	XLPE	PVC	2000V	UL 4703 Type PV	USE-2
38316	16	XLPE	PVC	2000V	UL 4703 Type PV	USE-2
38318	18	XLPE	PVC	2000V	UL 4703 Type PV	USE-2

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