

Photovoltaic Wire XLPE Insulation - 2KV AL

PV Wire 2KV AL

Applications:

This document establishes the specifications for Photovoltaic Wire with Aluminum conductors and XLPE insulation rated for 2KV per UL Standard 4703. For Photovoltaic applications.

Construction Details:

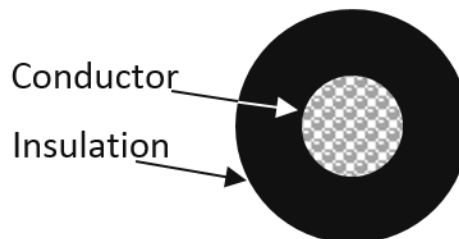
Number of Conductors: 1/C
 Conductor: Compact Stranded Bare Aluminum
 Conductor Material: AA-8000 Series Aluminum Alloy
 Insulation Material: XLPE
 Nominal Insulation Thickness: Per UL 4703
 Nominal Insulation Diameter: Per UL 4703
 Color: Black or Red (w/Stripe, Available with MOQ)
 Shield: Unshielded
 Jacket: Integral Construction

Surface Print:
 RENEWABLES™ by REMEE (AWG/KCMIL) (MM²) AL
 (UL) PV WIRE 2000V 90°C DRY OR WET (-40°C) XLPE
 SUN RES DIRECT BURIAL RHH/RHW-2 2000V ROHS
 MM/DD/YYYY + Sequential Footage Marking

See Table on Page 2 for construction details by size.

Electricals:

Voltage Rating: 2000 Volts
 DC Resistance: See Table on Page 2



Technical Details:

Flame Resistance	VW-1
Temperature Rating	
Operation	-40°C to +90°C
	90°C Wet or Dry

Standards:

- National Electric Code (NFPA 70)
- UL 4703 - Photovoltaic Wire
- UL 44 - Thermoset Insulated Wires and Cables
- UL 854 - Service Entrance Cables
- UL 1581 - Standard for Electrical Wires, Cables

Codes & Listings:

- (UL) listed
- PV Wire per UL 4703
- RHW-2 per UL 44
- RHH per UL 44

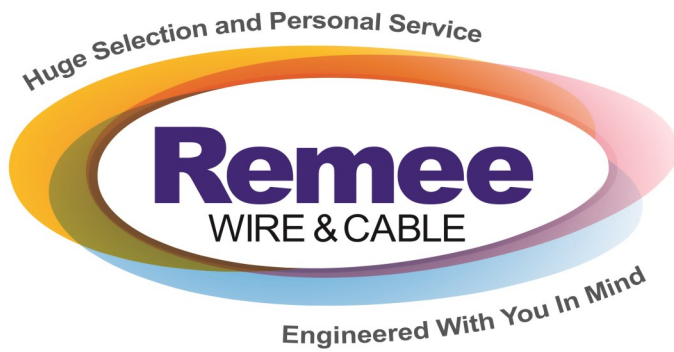


Issue Date: 08/23
 Revision: 11

All warranty information can be viewed at WWW.REMEE.COM.

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921
 Customer Service: 800-431-3864 Fax: 845-651-4160 Website: www.remee.com



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Reme Part Number	Size (AWG)	Size (kcmil)	Size mm ²	Number of Strands	Approximate Weight (Lbs/Kft)	Insulation Thickness (in.)	Overall Diameter, Nom. (in.)	Max. Conductor Resistance, @ 20°C (Ω/KFT)	Ampacity 90°C*
PV00607ALMUL	6		13.3	7	56	0.085	0.339	0.674	85
PV00407ALMUL	4		21.2	7	76	0.085	0.382	0.424	115
PV00307ALMUL	3		26.6	7	89	0.085	0.406	0.335	130
PV00207ALMUL	2		33.6	7	105	0.085	0.437	0.267	150
PV00119ALMUL	1		42.4	19	139	0.105	0.508	0.211	175
PV1/019ALMUL	1/0		53.5	19	164	0.105	0.547	0.168	205
PV2/019ALMUL	2/0		67.4	19	195	0.105	0.587	0.133	235
PV3/019ALMUL	3/0		85.0	19	234	0.105	0.634	0.105	270
PV4/019ALMUL	4/0		107	19	280	0.105	0.685	0.084	315
PV25037ALMUL		250	127	37	339	0.120	0.760	0.071	355
PV30037ALMUL		300	152	37	392	0.120	0.811	0.059	395
PV35037ALMUL		350	177	37	443	0.120	0.854	0.051	445
PV40037ALMUL		400	203	37	497	0.120	0.898	0.044	480
PV45037ALMUL		450	228	37	548	0.120	0.941	0.039	510
PV50037ALMUL		500	253	37	601	0.120	0.976	0.035	545
PV55061ALMUL		550	279	61	676	0.135	1.039	0.032	580
PV60061ALMUL		600	304	61	728	0.135	1.071	0.029	615
PV65061ALMUL		650	329	61	778	0.135	1.106	0.027	640
PV70061ALMUL		700	355	61	831	0.135	1.138	0.025	670
PV75061ALMUL		750	380	61	882	0.135	1.173	0.024	700
PV80061ALMUL		800	405	61	933	0.135	1.197	0.022	725
PV90061ALMUL		900	456	61	1033	0.135	1.256	0.020	790
PV100061ALMUL		1000	507	61	1134	0.135	1.315	0.018	845

*Ampacities in accordance with NEC (2023 Edition) Table 310.17: Single Insulated Conductors rated up to and including 2000 Volts in Free Air, Based on Ambient Temperature of 30°C (86°F)

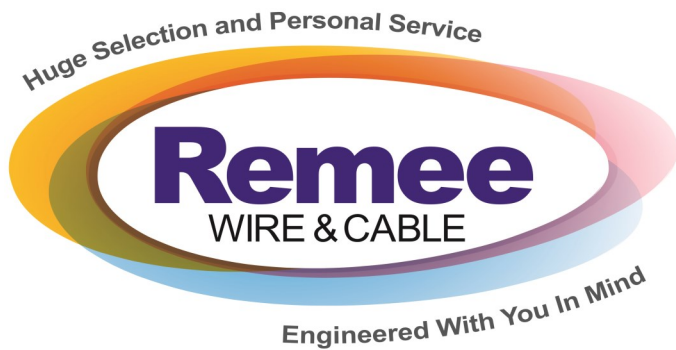
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Preparation for Shipment:

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

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Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: _____
Company: _____
Date: _____



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