



Royal® Solar Photovoltaic (PV) Cable

The world is becoming much more environmentally conscious. Thus, renewable energies such as wind and solar power electrical generation have become a bigger part of daily life. Coleman Cable's Royal® brand Solar Photovoltaic Cable is the preferred choice for connecting PV systems. It is an eco-friendly cable meeting or exceeding Reduction of Hazardous Substances (RoHS) and Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) requirements.

Features

- Sunlight resistant black jacket
- Single-conductor, single-layer
- Separator tape for easy stripping
- Meets UL gasoline resistance requirements
- Meets UL oil res I & oil res II requirements
- UL direct burial rated
- Approved by UL to VW-1 flame test

Applications

- Solar power electrical generation equipment
- For use in grounded and ungrounded photovoltaic power systems
- Designs for 600V, 1000V & 2000V applications

Constructions

- 14 AWG through 4/0 AWG, fully annealed bare copper in accordance with ASTM B 3
- Class B strand in accordance with ASTM B 8
- Flame retardant polymer
- UL Rated -40°C 90°C wet or dry

Specifications & Standards

- UL Type 4703—Photovoltaic Wire approval (UL 4703 USE-2 rated)
- In compliance with EPA 40 CFR, Part 261 (Leachable Lead per Method TCLP)
- RoHS and REACH Compliant*
- NEC section 630.31

* Compliant with materials list as of 4/15/2010



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-40°C to 90°C 2000V, UL 4703

Part Number	Gauge	Stranding	Insulation Thickness		Nom. OD		Weight	
			(in)	(mm)	(in)	(mm)	(lbs./mft)	(kg/km)
19714	14	7/.0242	.076	1.91	.224	5.69	34	50
19712	12	7/.0305	.076	1.91	.244	6.20	44	66
19710	10	7/.0385	.076	1.91	.267	6.78	59	88
19708	8	7/.0486	.085	2.16	.318	8.08	87	130
19706	6	7/.0612	.085	2.16	.356	9.04	125	186
19704	4	7/.0772	.085	2.16	.404	10.26	181	269
19702	2	7/.0940	.085	2.16	.455	11.56	263	391
19701	1	19/.0664	.085	2.16	.504	12.80	334	497
19721	1/0	19/.0745	.085	2.16	.544	13.82	401	597
19722	2/0	19/.0837	.097	2.46	.615	15.62	506	753
19723	3/0	19/.0940	.097	2.46	.648	16.46	622	926
19724	4/0	19/.1055	.097	2.46	.704	17.88	761	1132

*Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.
Other constructions available*

