

Photovoltaic Wire

RHH/RHW-2



Description

SunGen is a cable for use in photovoltaic installations, with cross-linked polyethylene insulation (XLPE). In addition, it is designed to operate at a maximum of 2000 V and complies with the flame retardant test (VW-1).

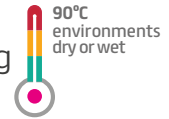
Standard Specifications

The photovoltaic wires are manufactured according to

- Standards: ASTM B3, ASTM B8, UL 4703
- Certificate: UL E525567

Applications

- Photovoltaic electric single conductor, resistant to sunlight, its use can be directly buried. It is rated for temperatures of 90° C in dry and wet environments. Excellent resistance to crushing and compression cuts.



Technical Information

Dimensions and nominal features

The conductor operating amperage is defined by the installation condition identified in the NEC. See ARTICLE 690.8 (B) NFPA 70 latest version

Gauge	Wires	Area	Insulation Thickness		External Diameter		Weight	DC Max. @ 20°C Resistance
			pulg.	mm	pulg.	mm		
12	7	3,31	0,075	1,905	0,240	6,088	55,133	5,430
10	7	5,26	0,075	1,905	0,264	6,706	76,074	3,409
8	7	8,37	0,085	2,159	0,313	7,950	114,782	2,144
6	7	13,3	0,085	2,159	0,350	8,890	165,140	1,348
4	19	21,2	0,085	2,159	0,392	9,967	243,431	0,848
2	19	33,6	0,085	2,159	0,450	11,438	364,902	0,534
1/0	19	53,5	0,105	2,667	0,564	14,321	577,891	0,335
2/0	19	67,4	0,105	2,667	0,607	15,420	711,748	0,266
3/0	19	85,0	0,105	2,667	0,656	16,660	879,140	0,211
4/0	19	107,0	0,105	2,667	0,711	18,064	1090,920	0,167
250	37	127,0	0,120	3,048	0,787	19,985	1293,249	0,142
300	37	152,0	0,120	3,048	0,839	19,985	1531,320	0,118
350	37	177,0	0,120	3,048	0,888	22,550	1773,157	0,101
400	37	203,0	0,120	3,048	0,932	23,670	2017,522	0,089
500	37	253,0	0,120	3,048	1,013	25,735	2482,104	0,071
600	61	304,0	0,135	3,429	1,119	28,415	2989,087	0,059
750	61	380,0	0,135	3,429	1,219	30,952	3679,387	0,047

Note: The values given may vary according to the manufacturing tolerances.

Prysmian

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