

SunGen

PV Copper Wire RHH/RHW-2



GENERAL INFORMATION

SunGen is a copper 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).

CERTIFICATIONS AND DESIGN STANDARDS

Certifications: UL E525567

Standards: ASTM B3, ASTM B8, UL 4703

CABLE DESIGN

Conductor material	Copper
Core insulation material	XLPE

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U [V]	2,000
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INSTALLATION DETAILS

Application	Sustainable Energy & Installations
Outdoor installation	Yes
Underground installation	Yes
Suitable as installation cable	Yes

PHYSICAL & CHEMICAL PROPERTIES

Flame retardant	Yes
Oil resistant	Yes
Moisture resistance	Yes

SPECIFIC APPLICATIONS

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

PRODUCT DIMENSIONS & CHARACTERISTICS

AWG size	Nominal cross section conductor [mm²]	Number of cores	Nominal thickness insulation [mm]	Diameter conductor [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
12	3.31	7	1.91	6.09	61.59	5.43
10	5.26	7	1.91	6.71	83.54	3.41
8	8.37	7	2.16	7.95	124.68	2.14

The operating amperage of the conductor is defined by the installation condition identified in the NEC. See the most recent version of NFPA 70 ARTICLE 690.8 (B). Note: The values given may vary according to the manufacturing tolerances