

Photovoltaic Solar PV Cable



APPLICATION

Updated harmonised European standard solar cable intended for the interconnection within photovoltaic systems such as solar panel arrays. Suitable for fixed installations, internal and external, within conduit or systems. Impact tested - Suitable for direct burial. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment. Water resistant to AD8.

CHARACTERISTICS

Voltage Rating U_0/U (Um)

AC: 1000/1000V

DC: 1500/1500V

Maximum Voltage (Umax)

1800V

Test Voltage

6.5kV AC

Temperature Rating

Fixed: -40°C to +90°C

Minimum Bending Radius

5 x overall diameter

Maximum Conductor Temperature

+120°C (for 20000h)

CONSTRUCTION

Conductor

Class 5 flexible tinned copper conductor

Insulation

Halogen-free cross-linked compound

Sheath

Halogen-free cross-linked, flame retardant compound

Sheath Colour

- Black
- Other colours available on request

STANDARDS

EN 50618, TÜV 2 PfG 1169/08.2007, EN 50288-3-7, EN 60068-2-78, EN 50395

Flame retardant to IEC/EN 60332-1-2

Low Smoke Zero Halogen to IEC/EN 60754-1/2, IEC/EN 61034-1/2, EN 50267-2-2

Ozone and UV Resistant to EN 60811-403, EN 50396, EN ISO 4892-1/3,

Water Resistant to AD8

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

DIMENSIONS

TYPE	Cross Section	Conductor Structure	Conductor Diameter	Outer Diameter	Conductor	Rated Voltage	Rated Current
	mm2	No./OD (mm)	mm	mm	Ω/Km	V AC/DC	A
1	2.5	49/0.25	2	5.2	8.21	1000/1800	30
1	4	56/0.30	2.6	6.2	5.09	1000/1800	50
1	6	84/0.30	3.3	7.2	3.39	1000/1800	70
1	10	74/0.40	4.4	8.3	2.12	1000/1800	95
2	2.5	49/0.25	2	6.2*9.90	8.06	1000/1800	30
2	4	56/0.30	2.6	6.9*11.30	4.97	1000/1800	50
2	6	84/0.30	3.3	7.1*14.50	3.52	1000/1800	70

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.