

DIGITUS® Solar cable installation 50m, 6mm², black, PV cable 1500V DC, UV-resistant & weatherproof

DK-SCIC6B-0500
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Solar Installation cable, H1Z2Z2-K, 6sqmm, PV 50m, black, solarpanel, inverter, chargecontroller

The high-quality solar cable with 6mm² cross-section and 50m length is the ideal connection solution for photovoltaic systems and solar systems. It is ideal for use between solar modules, inverters and other components thanks to its high dielectric strength of DC 1500V / AC 1kV. The tinned copper conductor offers optimum conductivity and excellent corrosion protection. The robust XLPO insulation provides reliable protection against UV radiation, heat, ozone and moisture. The cable is flexible, abrasion-resistant and temperature-resistant from -40°C to +90°C. It meets the requirements of the EN 50618:2014 standard and is flame-retardant, which ensures additional safety. With a conductor resistance of 3.39Ω/k and an insulation resistance of 500 MΩ·km, it enables low power losses and high operational safety. The solar cable is weatherproof, durable and environmentally friendly - ideal for long-term outdoor use in professional and private PV projects.

Safe, efficient and flexible - this solar cable is the ideal solution for all indoor and outdoor photovoltaic projects.

- Tinned copper wire
- Flexible conductor structure (TS 84/0.285 mm)
- Diameter of the conductor: 3.0 mm
- XLPO jacket (outer shell)
- Diameter of the insulation: 4.4 mm ±0.1 mm
- Outer diameter: 6.1 mm ±0.2 mm
- Rated voltage: DC 1500V / AC 1kV
- Conductor resistance: 3.39 Ω/km (at 20°C)
- Insulation resistance: 500 MΩ·km (at 20°C)
- Dielectric strength: AC 6.5kV / DC 15kV (5 minutes)
- Spark test: 7kV
- Operating temperature: -40°C to +90°C
- Flame retardant according to EN50618:2014
- Coat color: Black

Package contents

- Cable ring 50m, black

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	25	15.80	29.00	25.00	24.00	17,400.00
Packaging Unit Inside	1	632.00	0.00	0.00	0.00	0.00
Packaging Unit Single	1	632.00	23.00	23.00	7.00	3,703.00
Net single without Packaging	0	3,845.00	23.50	23.50	7.50	4,141,880.00

More images:



Product parameter

Product name	Solar installation cable
Cable specifications	20m 6mm ² / 50m 6mm ²
Conductor	Tinned copper
Rated current	30A
Rated voltage	DC 1500V / AC 51V
Insulation material	XLPO
Weather resistance	5V
Conductor resistance	≤3.39 Ω/km (at 20°C)
Temperature range	-40°C to +90°C
Life time	25 years

Versatile in use

- ✓ Flame retardant according to EN 50518:2014 Increased safety for PV systems
- ✓ DC 1500V voltage Perfect for high power requirements in PV systems
- ✓ Long service life of up to 25 years Designed for maximum durability and efficiency

Ideal for photovoltaic & solar systems

Solar Installation Cable

H1222-K
20/50m, 6mm²

25 years long life

- XLPO sheath
- UV resistant
- Waterproof
- Temperature resistant (-40 to +90 degree)
- Flexible & easy to install

Tinned Copper