

DIGITUS® Instalação de cabo solar 50m, 6mm², preto, cabo fotovoltaico 1500V DC, resistente aos raios UV e às intempéries

DK-SCIC6B-0500

EAN 4016032490753



Cabo de instalação solar, H1Z2Z2-K, 6sqmm, PV 50m, preto, painel solar, inversor, controlador de carga

O cabo solar de alta qualidade com secção transversal de 6 mm² e 50 m de comprimento é a solução de ligação ideal para sistemas fotovoltaicos e sistemas solares. É ideal para utilização entre módulos solares, inversores e outros componentes graças à sua elevada resistência dielétrica de 1500V DC / 1kV AC. O condutor de cobre estanhado oferece uma ótima condutividade e uma excelente proteção contra a corrosão. O isolamento XLPO robusto oferece uma proteção fiável contra a radiação UV, o calor, o ozono e a humidade. O cabo é flexível, resistente à abrasão e resistente a temperaturas de -40°C a +90°C. Cumpre os requisitos da norma EN 50618:2014 e é retardador de chama, o que garante uma segurança adicional. Com uma resistência do condutor de 3,39 Ω/k e uma resistência de isolamento de 500 MΩ-km, permite baixas perdas de energia e elevada segurança operacional. O cabo solar é resistente às intempéries, durável e amigo do ambiente - ideal para utilização exterior a longo prazo em projectos fotovoltaicos profissionais e privados.

Seguro, eficiente e flexível - este cabo solar é a solução ideal para todos os projectos fotovoltaicos interiores e exteriores.

- Fio de cobre estanhado
- Estrutura de condutores flexíveis (TS 84/0,285 mm)
- Diâmetro do condutor: 3,0 mm
- Casaco XLPO (revestimento exterior)
- Diâmetro do isolamento: 4,4 mm ±0,1 mm
- Diâmetro exterior: 6,1 mm ±0,2 mm
- Tensão nominal: DC 1500V / AC 1kV
- Resistência do condutor: 3,39 Ω/km (a 20°C)
- Resistência de isolamento: 500 MΩ.km (a 20°C)
- Rigidez dielétrica: AC 6,5kV / DC 15kV (5 minutos)
- Ensaio de faíscas: 7kV
- Temperatura de funcionamento: -40°C a +90°C
- Retardador de chama de acordo com a norma EN50618:2014
- Cor da pagem: Preto

Package contents

- Anel de cabo 50m, preto

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	4	15.80	29.00	25.00	24.00	17,400.00
Packaging Unit Inside	1	3.95	0.00	0.00	0.00	0.00
Packaging Unit Single	1	3.95	23.00	23.00	7.00	3,703.00
Net single without Packaging	1	3.85	23.50	23.50	7.50	0.00

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 5kV
Insulation material	XLPO
Weather resistance	UV
Conductor resistance	≤3.39 Ω/km (at 20°C)
Temperature range	-40°C to +90°C
Life time	25 years



Safety notes

- Only operate the device indoors. Avoid exposure to moisture, dust, sunlight or other sources of heat.
- The socket outlet is part of the building installation. The relevant national standards and directives must be observed during planning and installation.
- The appliance may only be operated on the 230V/50 Hz AC mains supply. Work on the 230V mains may only be carried out by a qualified electrician certified in your country.
- Observe the applicable accident prevention regulations during installation.
- To avoid electric shock to the appliance, please disconnect the mains voltage (e.g. switch off the circuit breaker).
- Failure to observe the installation instructions may result in fire or other hazards.
- Installation may only be carried out in commercially available flush-mounted boxes (appliance boxes) in accordance with DIN 49073-1, with a minimum depth of 40 mm.
- When connecting to the device terminals, observe the permissible cables and cable cross-sections.
- Mandatory information in accordance with the appliance safety standard
- Note!
- Installation only by persons with relevant electrical knowledge and experience!
- Improper installation puts your own life and the lives of the users of the electrical system at risk.
- You risk serious damage to property if the installation is not carried out correctly. You may be personally liable for personal injury and damage to property. Contact an electrician.
- Specialist knowledge required for installation:
- The following specialist knowledge in particular is required for installation:
- The application of the 5 safety rules 1. Disconnect 2. Secure against reconnection 3. Ensure there is no voltage 4. Earth and short-circuit 5. Cover or isolate neighboring live parts.
- Selection of suitable tools, measuring equipment and, if necessary, personal protective equipment.
- Selection of the electrical installation material to ensure the switch-off conditions.
- Check the electrical system after installation.
- Observing the IP protection classes
- Installation only with suitable electrical installation material
- Check and observe the respective specifications of the type of supply network (TN system, TT system or IT system) and the resulting connection conditions (zeroing, protective earthing, or any additional measures required, etc.).
- Maintenance and cleaning:
- The socket is maintenance-free.
- Leave repairs to a qualified electrician.
- Only clean the device with a soft, clean, dry and lint-free cloth.
- Do not use cleaning agents containing solvents. This can damage the plastic housing.
- Do not use wet cloths or sponges to clean the appliance.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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