

# DIGITUS® Extensão de cabo solar 5 m, 6 mm<sup>2</sup>, ligação MC4, cabo PV 1500 V DC, resistente aos raios UV e às intempéries, 2 cabos, 1x preto, 1x vermelho

DK-SCEC66-0050

EAN 4016032501817



**Cabo de extensão solar, 6 mm<sup>2</sup>, ficha MC4 5m,6sqmm,sem halógeno,resistente aos raios UV,flexível,IP67,2 pcs.**

Este cabo solar de alta qualidade para extensão com conectores MC4 pré-montados em ambas as extremidades foi especialmente desenvolvido para utilização em sistemas fotovoltaicos. Com uma secção transversal do condutor de 6 mm<sup>2</sup>, um comprimento de 5 m e uma rigidez dieléctrica de até 1500 V CC, é ideal para ligar módulos solares, inversores ou outros componentes fotovoltaicos. O cabo é constituído por um condutor de cobre estanhado, que assegura uma transmissão óptima da corrente e uma protecção fiável contra a corrosão. O isolamento XLPO resistente e o revestimento PA66 robusto oferecem uma excelente protecção contra a radiação UV, a humidade, o ozono e o stress mecânico. Graças às ligações MC4 pré-montadas, o cabo está pronto para utilização imediata e pode ser instalado sem esforço - ideal para projectos solares de bricolage ou instalações fotovoltaicas profissionais. Com uma gama de temperaturas de funcionamento de -40 °C a +85 °C, propriedades ignífugas (UL94 V-0) e uma resistência de contacto de  $\geq 0,5 \text{ m}\Omega$ , este cabo garante a máxima segurança, eficiência e durabilidade - mesmo em condições climáticas exigentes.

**Segura, eficiente e pronta para utilização imediata - esta extensão de cabo solar com ligações MC4 é a solução plug-and-play perfeita para todos os projectos fotovoltaicos interiores e exteriores.**

- Comprimento: 5m

- Secção transversal do condutor: 6 mm<sup>2</sup>.
- Tolerância de tensão: até 1500V DC / 1000V AC
- Corrente nominal: 30 A
- Material do condutor: Fio de cobre estanhado
- Estrutura do condutor: TS 84/0,285 mm
- Diâmetro do condutor: 3,0 mm
- Material de isolamento: XLPO
- Material do casaco: XLPO
- Material do tampão: PPE, PA 66, sem halógenos
- Diâmetro de isolamento: 4,4 mm  $\pm 0,1$  mm
- Diâmetro exterior: 6,1 mm  $\pm 0,2$  mm
- Gama de temperaturas: -40 °C a +85 °C
- Resistência de contacto:  $\geq 0,5 \text{ m}\Omega$
- Resistência de isolamento:  $\geq 500 \text{ M}\Omega\text{-km}$
- Rigidez dieléctrica: AC 6,5 kV / DC 15 kV (5 minutos)
- Ensaio de faíscas: 7 kV
- Normas e certificados: CEEN 50618, EN 60332-1-2 (Eca) , EN 62852: 2015, UL94 V-0
- Cor da pelagem: 1x preto, 1x vermelho
- Ligação 1: ficha MC4
- Ligação 2: tomada MC4
- Certificação IP 65 /68

#### Package contents

- Par de 2 cabos solares, 1x preto, 1x vermelho

#### Logistics

	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	18	16.00	50.00	28.00	28.00	39,200.00
Packaging Unit Inside	1	0.89	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.89	19.00	19.00	7.00	2,527.00
Net single without Packaging	1	0.83	19.50	19.50	7.00	0.00

More images:



### Solar Extension Cable

Security lock

MC4 connector  
1, 3, 5, 10, 15m, 6mm<sup>2</sup>

25 years long life

Waterproof sealing ring

PPE insulation UV resistant Waterproof

Temperature resistant (-40 to +85 degree) Flexible & easy to install

DIGITUS

### MC4 solar connector

Flexible & easy to install

PPE insulation

IP65 & IP68 waterproof

Safety-Lock design

The MC4 connectors are easy to connect. The sophisticated product design (safety-lock design) prevents the connectors from accidentally coming loose.

DIGITUS

### Product parameter

Product name	Solar extension cable
Cable specifications	1, 3, 5, 10, 15m 6mm <sup>2</sup> 3, 5m 4mm <sup>2</sup>
Connector	MC4 connector / PA66
Rated current	30A
Rated voltage	DC 1500V
Insulation material	XPE
Weather resistance	UV
Insulation resistance	> 500 MΩ·km
Contact resistance	≤0.5mΩ
Temperature range	-40°C to +85°C
Waterproof level	IP65 & IP68
Life time	25 years

DIGITUS

### Versatile in use

✓ Fully compliant according to EN 50183:2014 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

DIGITUS

Safe, efficient and ready to use

This solar cable extension with MC4 connections is the perfect plug-and-play solution for all indoor and outdoor photovoltaic projects.

1-15m, 4mm<sup>2</sup>/6mm<sup>2</sup> copper conductor, tin-plated For maximum conductivity and corrosion protection

CE and EN 50618, EN 60332-1-2 (Eca) EN 62852:2015 certified Approved for international use

MC4 connector pre-assembled Can be connected quickly, safely and without tools

DIGITUS

### Ideal for photovoltaic & solar systems

DIGITUS

✓ Sophisticated product design for a reliable connection

✓ Self-Lock-Connection

✓ Waterproof sealing ring

DIGITUS

**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 if 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.

ASSMANN Electronic GmbH  
Auf dem Schüffel 3  
Lüdenscheid, Germany  
<https://www.assmann.com>  
[info@assmann.com](mailto:info@assmann.com)