

DIGITUS® Solar cable extension 1 m, 6 mm², MC4 connection, PV cable 1500 V DC, UV-resistant & weatherproof, 2 cables, 1x black, 1x red

DK-SCEC66-0010

EAN 4016032501794



Solar Extension cable, 6 sqmm, MC4 connector 1m, 6sqmm, halogen-free, UV-res., flex, IP67, 2pcs

This high-quality solar cable for extension with pre-assembled MC4 connectors at both ends has been specially developed for use in photovoltaic systems. With a conductor cross-section of 6 mm², a length of 1 m and a dielectric strength of up to 1500 V DC, it is ideal for connecting solar modules, inverters or other PV components. The cable consists of a tinned copper conductor, which ensures optimum current transmission and reliable corrosion protection. The resistant XLPO insulation and robust PA66 jacket offer excellent protection against UV radiation, moisture, ozone and mechanical stress. Thanks to the pre-assembled MC4 connections, the cable is ready for immediate use and can be installed effortlessly - ideal for DIY solar projects or professional PV installations. With an operating temperature range of -40 °C to +85 °C, flame-retardant properties (UL94 V-0) and a contact resistance of $\leq 0.5 \text{ m}\Omega$, this cable guarantees maximum safety, efficiency and durability - even in demanding weather conditions.

Safe, efficient and ready for immediate use - this solar cable extension with MC4 connections is the ideal plug-and-play solution for all indoor and outdoor photovoltaic projects.

- Length: 1m
- Conductor cross-section: 6mm²

- Voltage tolerance: up to 1500V DC / 1000V AC
- Rated current: 30 A
- Conductor material: Tinned copper wire
- Conductor structure: TS 84/0.285 mm
- Conductor diameter: 3.0 mm
- Insulation material: XLPO
- Jacket material: XLPO
- Plug material: PPE, PA 66, halogen-free
- Insulating diameter: 4.4 mm \pm 0.1 mm
- Outer diameter: 6.1 mm \pm 0.2 mm
- Temperature range: -40 °C to +85 °C
- Contact resistance: $\leq 0.5 \text{ m}\Omega$
- Insulation resistance: $\geq 500 \text{ M}\Omega\text{-km}$
- Dielectric strength: AC 6.5 kV / DC 15 kV (5 minutes)
- Spark test: 7 kV
- Standards & certificates: CEEN 50618, EN 60332-1-2 (Eca) , EN 62852: 2015, UL94 V-0
- Coat color: 1x black, 1x red
- Connection 1: MC4 plug
- Connection 2: MC4 socket
- IP 65/68 certified

Package contents

- Pair of 2 solar cables, 1x black, 1x red

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	50	11.61	50.00	28.00	28.00	39,200.00
Packaging Unit Inside	1	0.23	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.23	18.00	21.50	3.00	1,161.00
Net single without Packaging	1	0.22	18.50	22.00	3.50	0.00

More images:

- ✓ Sophisticated product design for a reliable connection
- ✓ Self-Lock-Connection
- ✓ Waterproof sealing ring

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 connector from accidentally opening loose.

Versatile in use

- ✓ Flame retardant according to EN 50118-2:2014 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

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, 4mm²/6mm² 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

Solar Extension Cable

MC4 connector 1/3/5/10/15m, 6mm²

25 years long life

- PPE insulation
- UV resistant
- Waterproof
- Temperature resistant (-40 to +85 degree)
- Flexible & easy to install

Product parameter

Product name	Solar extension cable
Cable specifications	1/3/5/10/15m 6mm ² 3/5m 4mm ²
Connector	MC4 connector / PPE
Rated current	30A
Rated voltage	DC 1500V
Insulation material	NLPO
Weather resistance	UV
Insulation resistance	> 500 MΩ km
Contact resistance	≤0.5m Ω
Temperature range	-40°C to +85°C
Waterproof level	IP65 & IP68
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 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.

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