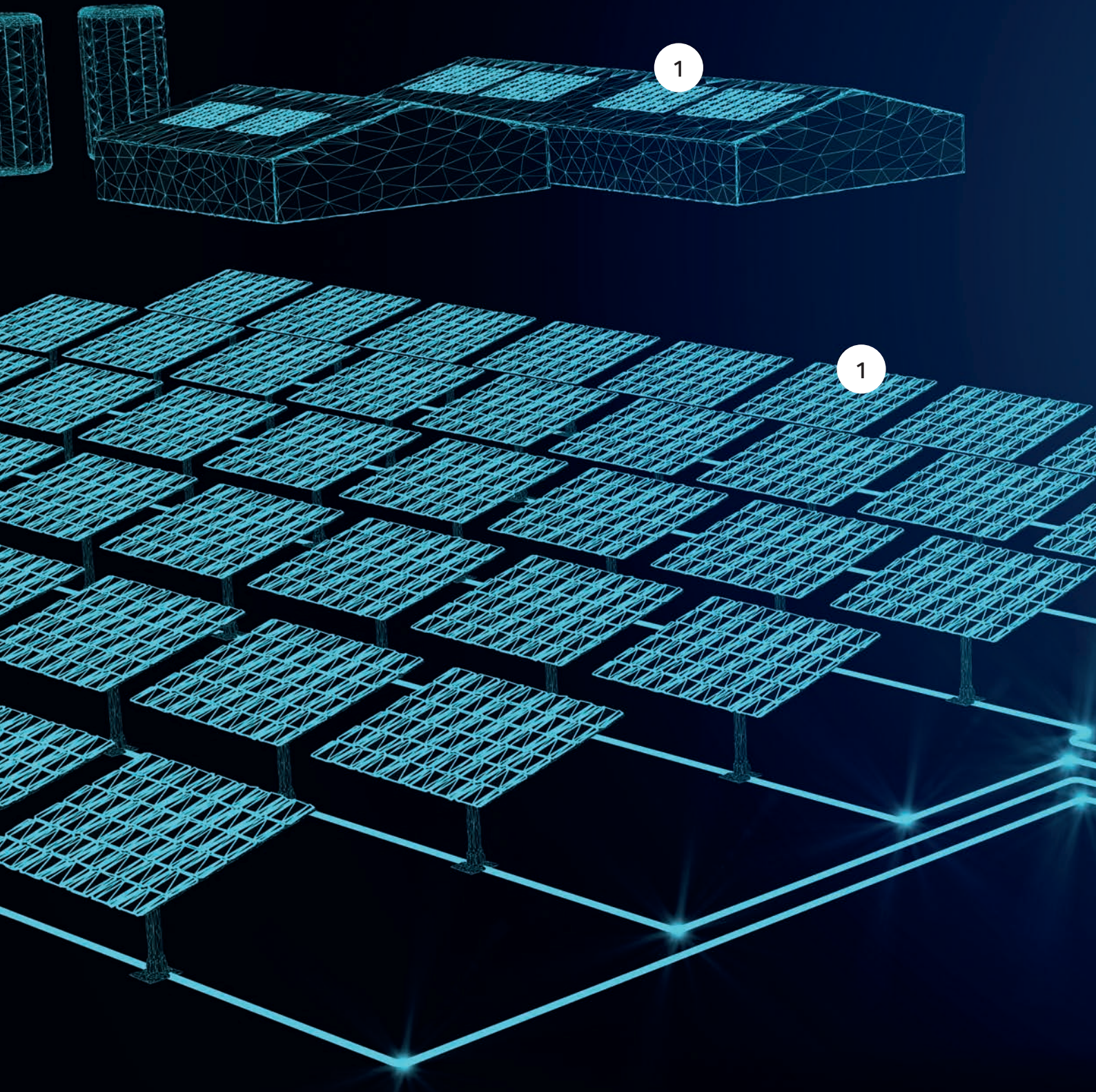


Solar cable solutions



Solar energy cable solutions at a glance



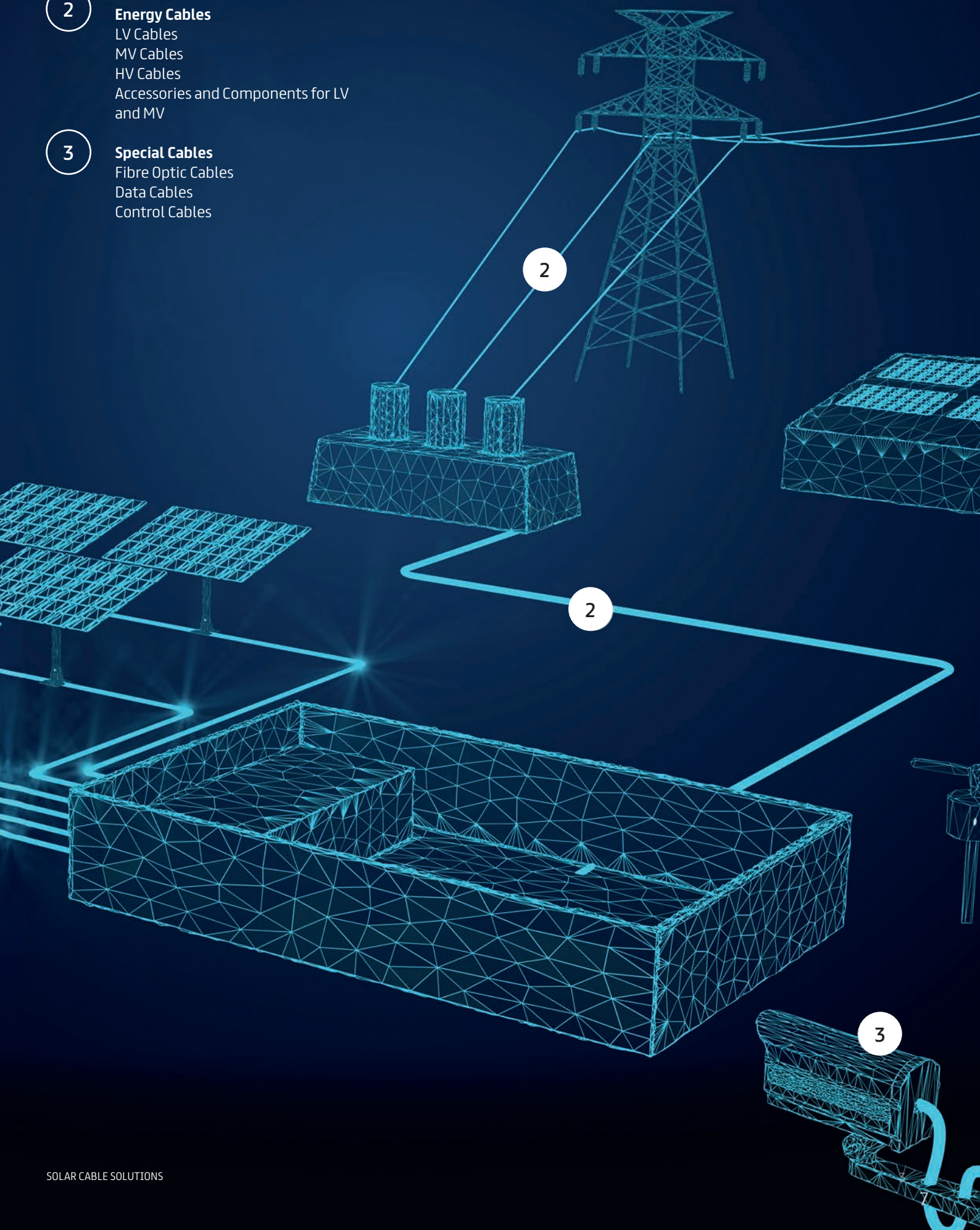
1

Solar PV CablesTECSUN
PRYSUN

2

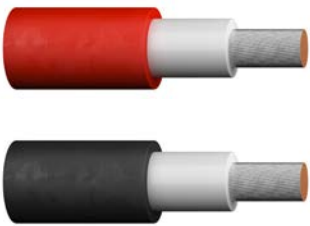
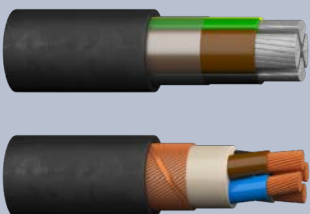

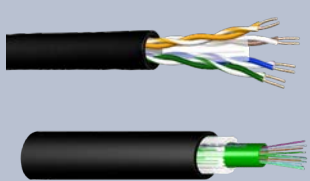
Energy CablesLV Cables
MV Cables
HV Cables
Accessories and Components for LV
and MV

3

Special CablesFibre Optic Cables
Data Cables
Control Cables

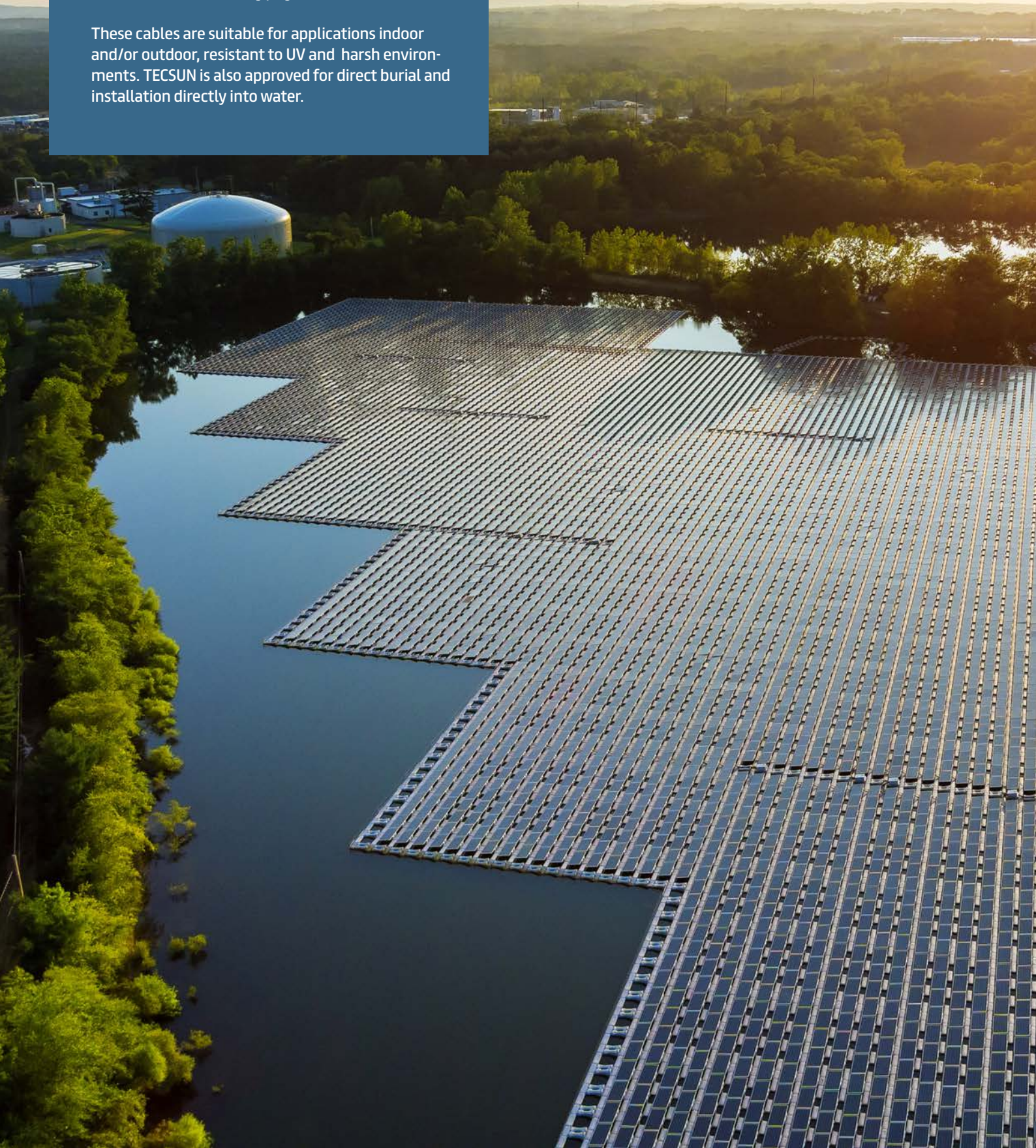
Solar cable solutions

Prysmian Group offers a complete cable portfolio to enable the production and supply of solar energy. In addition to solar photovoltaic cables, the range also includes low, medium and high voltage energy cables according to the local standard along with special cables for communication and control.

PRODUCT TYPE	PRODUCT PICTURES	PRODUCT NAMES	DESCRIPTION	APPLICABLE STANDARDS
PV cables		TECSUN PRYSUN	PV Cables designed for the interconnection of various elements in photovoltaic systems, including panel interconnection, between panels and string boxes or from string boxes to the inverter. They are suitable for applications indoor and/or outdoor, resistant to UV and harsh environments.	Main standards of PV cables globally, including IEC 62930, EN 50618 and UL 4703
LV cables		AXPK-PLUS AXPK-PE MCMK HK	Low voltage cables up to 3 kV, single core or multi conductors, aluminium or copper conductors, with different insulation and outer sheath compounds, armoured options and additional protection for harsh conditions as required.	IEC standards and most local standards
MV Cables		AHXAMK-W AXALJ AXCLJ AXLJ	Medium voltage cables from 10 to 52 kV, single core or three cores, aluminium or copper conductors, with different insulation and outer sheath compounds, screened, armoured options and additional protection for harsh conditions as required.	IEC standards and most local standards
SPECIAL		Supercat Cat 6 PE UC Fiber	Wide portfolio of fibre optic cables, data cables and control cables to cover different needs.	IEC standards and most local standards

Get acquainted with our solar PV cables **TECSUN** and **PRYSUN** on the following pages.

These cables are suitable for applications indoor and/or outdoor, resistant to UV and harsh environments. TECSUN is also approved for direct burial and installation directly into water.



TECSUN (PV) H1Z2Z2-K

The premium brand made in Germany with about 20 years of experience and more than 1,500,000 km sold worldwide, using proprietary compounds that rely on a long-standing track record of excellence that dates to 2003. This cable outperforms the standards for PV cables (European standard EN 50618 and International standard IEC 62930), and it has been designed to withstand extreme conditions and a range of uses, including direct burial and floating PV.

Application

PRYSMIAN's premium Solar cable TECSUN (PV) H1Z2Z2-K is intended for use in indoor and outdoor photovoltaic power supply systems, as well as in industrial and agriculture fields. Suitable for application in equipment with protective insulation (Class II), in explosion hazard areas and may be installed as fixed or freely suspended or free movable.

Applicable for installation in cable trays, conduits, on and in walls. The cable is also approved for direct burial and installation directly into water. The cable is designed to operate at a normal maximum conductor temperature of 90°C, but for a maximum of 20 000 hours a max. conductor temperature of 120 °C at a max. ambient temperature of 90°C is permitted.

Cable is also CPR class Dca s2,d2,a1.

Installation note

TECSUN(PV) cables are suitable for direct burial in the ground. Installation conditions per VDE 0800 Section 174 § 5.4.2 and VDE 0891 Section 6 § 4.2 should be taken in consideration.



Standard & Directive & Approval

- Standard: EN 50618
- Directive: CE, RoHS, REACH
- Approval: <VDE>
- Approval: TÜV-certificate no. 60103637
- CPR class Dca acc. to EN 50575
- DoP number: 1016009

Construction

Conductor:

- Electrolytic tinned copper
- Finely stranded
- Class 5 acc. to EN/IEC 60228

Insulation:

- Halogen-free
- Cross-linked HEPR 120°C, white

Outer sheath:

- Halogen-free cross-linked
- EVA rubber 120°C
- Insulation and sheath solidly bound
- Colour: Black, blue or red
- UV-resistant EN 50289-4-17, method A

PRYSUN (PV) H1Z2Z2-K

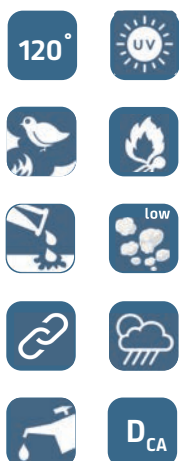
The most recently developed global brand. Designed for the interconnection of various elements in photovoltaic systems, including panel interconnection, between panels and string boxes, or from string boxes to the inverter. It is fully compliant with European standard EN 50618 and international standard IEC 62930, and is produced in different regions to be in proximity to our clients.

Application

PRYSUN Solar cables PRYSUN (PV) – H1Z2Z2-K is intended for use in indoor and/or outdoor photovoltaic power supply systems, as well as in industrial and agriculture areas, in/at equipment with protective insulation (Protecting Class II). The cable may be installed fixed, freely suspended or free movable, in cable trays, conduits, on or in walls.

The cable is designed to operate at a normal maximum conductor temperature of 90°C, but for a maximum of 20 000 hours a max. conductor temperature of 120 °C at a max. ambient temperature of 90°C is permitted.

Cable is also CPR class Dca s2,d2,a1



Standard & Directive & Approval

- Standard: EN 50618
- Directive: CE, RoHS, REACH
- TÜV-certificate no. R60144436
- CPR class Dca acc. to EN 50575
- DoP number: 1015967

Construction

Conductor:

- Electrolytic tinned copper
- Finely stranded
- Class 5 acc. to EN/IEC 60228

Insulation:

- Halogen-free
- Cross-linked HEPR 120°C, white

Outer sheath:

- Halogen-free
- Cross-linked Polyolefin 120°C
- Insulation and sheath solidly bound
- Colour: Black, blue or red
- UV-resistant EN 50289-4-17, method A

PRYSMIAN GROUP BALTICS AS

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