



日煬科技有限公司
JD Auspice Co., Ltd.

Prysmian
Group



Solar & Photovoltaic





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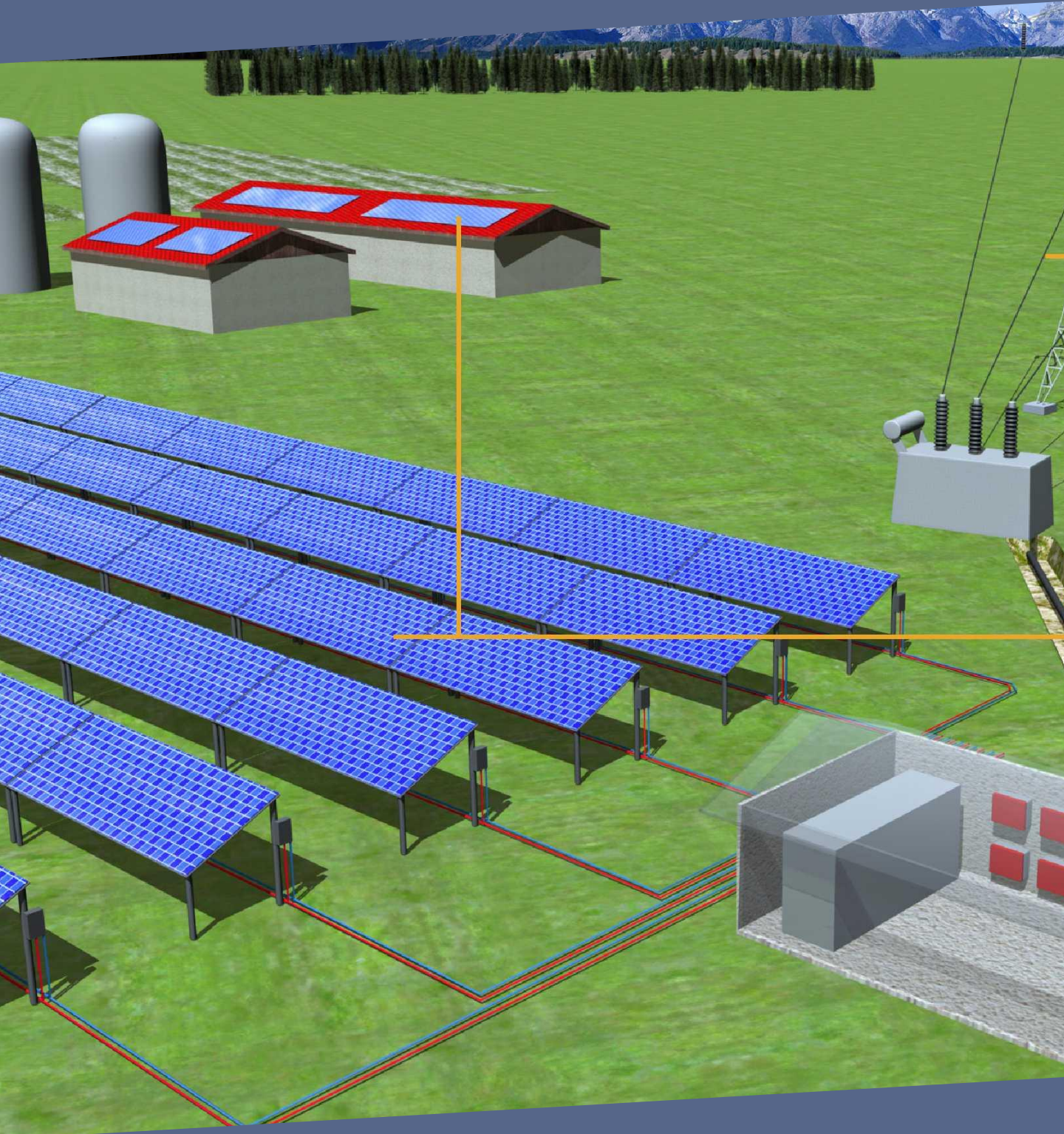
CONTENT





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SOLAR





„One-Stop Shop“-Strategie: Bei uns bekommen Sie Ihren Gesamtbedarf an Kabeln und Leitungen für Ihre PV-Anlage.



Energy Cables

- LV cables
- MV cables
- HV cables
- Accessories and components for LV, MV, HV

Energiekabel

- LV Kabel
- MV Kabel
- HV Kabel
- Zubehör und Komponenten für LV, MV, HV



Solar Cables

- TECSUN (PV) H1Z2Z2-K
- TECSUN (UL) PV-Wire PV1-F

Solarleitungen

- TECSUN (PV) H1Z2Z2-K
- TECSUN (UL) PV-Wire PV1-F



Special Cables

- Fibre optic cables
- Data cables
- Control cables

Spezial-Leitungen

- Glasfaserleitungen
- Datenleitungen
- Steuerleitungen



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TECSUN (PV) PV1-F Cables for Photovoltaic





TECSUN(PV) PV1-F

PV cables, rubber insulated TÜV and VDE certified



Why TECSUN®



Long life time
> **30** years



High operating temp. up to 120°C



Superior behaviour against fire



High performance material-European quality



Environmental Friendly

APPLICATION

Installation in cable trays, conduits, on and in walls

Construction

Standard	2Pfg 1169/08.2007
Conductor (IEC 60228)	Class 5 Tinned copper conductor
Insulation	Halogen-free and Cross-linked HEPR 120°C
Sheath (DIN EN 50563-2-1)	Halogen-free Cross-linked EVA rubber 120 °C
Color	Black

Electrical Parameters



Rated Voltage

0.6/1.0kV(AC)

Max. permissible operating voltage

0.9/1.8kV (DC)

Thermal Parameters



Operating temperature

-40°C –up to **120°C**

-40F up to +248 F

Ambient temperature

-40°C –up to 90°C

-40F up to +218 F

Chemical Parameters



Resistance to fire EN 60332-1-2

Halogen-free EN 50525-1 Annex B

Low smoke Emission EN 60134-2

Acid and alkaline resistance EN 50168

Resistance to oil EN 60811-404

Weather resistance TÜV 2Pfg 1169

UV resistance EN 50289-4-17 Method A

Ozone resistance EN 50396

Water absorption EN 60811-402

Mechanical Parameters



Max. Tensile load 15N/mm²

Min. bending radius 6D

Abrasion resistance ISO 4649

Shrinkage Test <2% EN 60811-1-3

Pressure Test at High Temp. <50% EN 60811-3-1

Dynamic Penetration Test TÜV 2Pfg 1169

Shore Hardness min. 85 nach DIN EN ISO 868

Rodent resistance Acc. to requirement



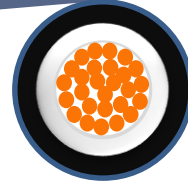
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TECSUN (PV) H1Z2Z2-K Cables for Photovoltaic



TECSUN(PV) H1Z2Z2-K

PV cables, rubber insulated TÜV and VDE certified as per EN50618



Why TECSUN®



Long life time
 > **30** years



High operating
 temp. up to 120°C



Superior behaviour
 against fire



High performance
 material-European
 quality



Environmental
 Friendly

APPLICATION

TECSUN (PV) H1Z2Z2-K is intended for use in photovoltaic power supply systems.

Construction

Standard	EN 50618:2014
Conductor (IEC 60228)	Class 5 Tinned copper conductor
Insulation	Halogen-free and Cross-linked HEPR 120°C
Sheath (DIN EN 50563-2-1)	Halogen-free Cross-linked EVA rubber 120 °C
Color	Black

Chemical Parameters



Resistance to fire	EN 60332-1-2
Halogen-free	EN 50525-1 Annex B
Low smoke Emission	EN 60134-2
Acid and alkaline resistance	EN 50168 Annex B
Resistance to oil	EN 60811-404
Weather resistance	EN 50618 Annex E
UV resistance	EN 50289-4-17 Method A
Ozone resistance	EN 50396
Water absorption	EN 60811-402

Electrical Parameters



Rated Voltage
 1.0/1.0kV(AC)
Max. permissible operating voltage
 1.8/1.8kV (DC)

Thermal Parameters



Operating temperature
 -40°C –up to **120°C**
 -40F up to +248 F
Ambient temperature
 -40°C –up to 90°C
 -40F up to +218 F

Mechanical Parameters



Max. Tensile load	15N/mm ²
Min. bending radius	EN 50565-1
Abrasion resistance	ISO 4649
Shrinkage Test	<2% EN 60811-503
Pressure Test at High Temp.	<50% EN 60811-508
Dynamic Penetration Test	EN 50618 Annex D
Shore Hardness	min. 85 nach DIN EN ISO 868
Durability of Print	EN 50396
Rodent resistance	Acc. to requirement



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