



日煬科技有限公司
JD Auspice Co., Ltd.

Prysmian
Group



Solar & Photovoltaic





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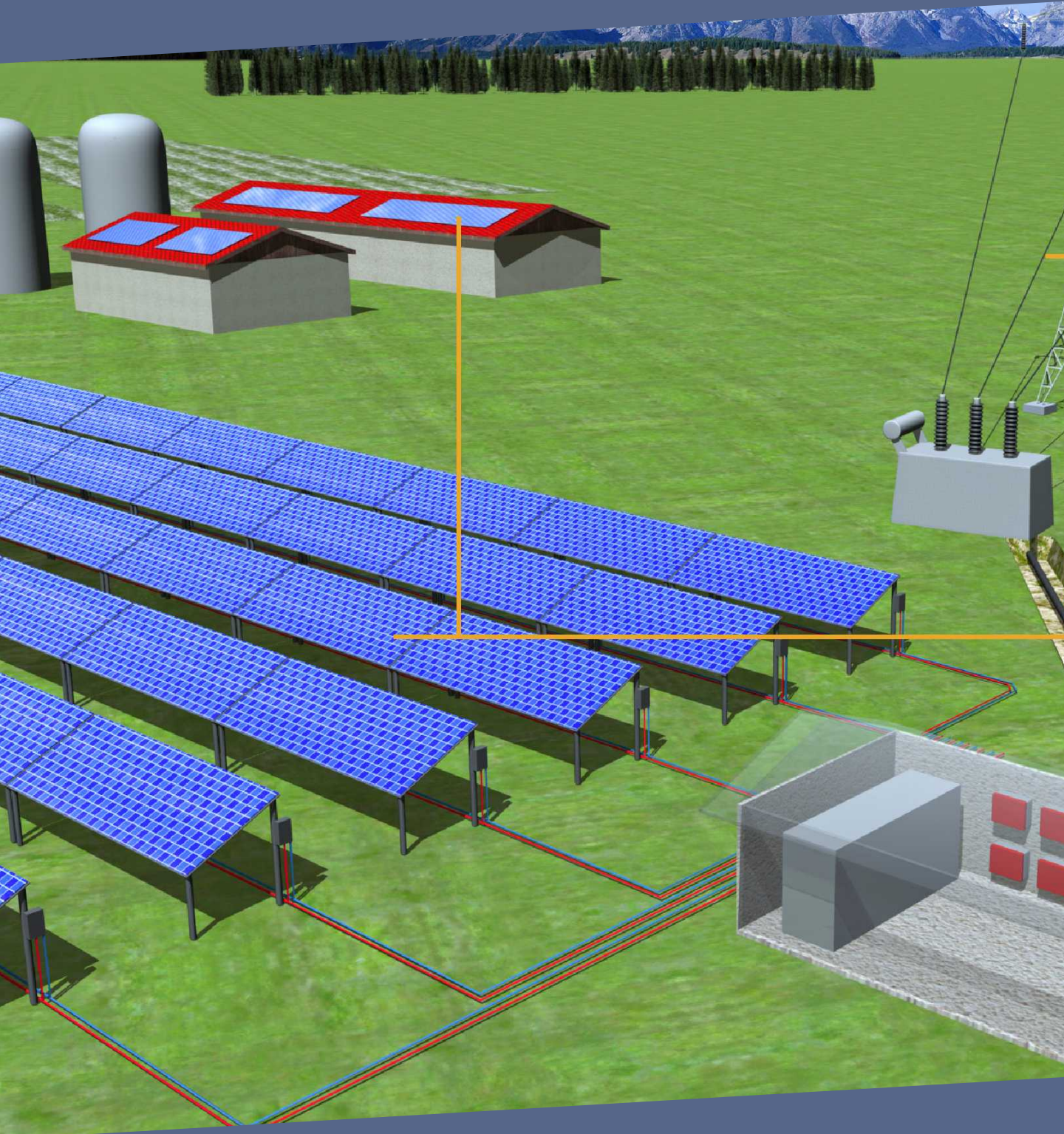
CONTENT





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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



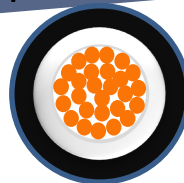
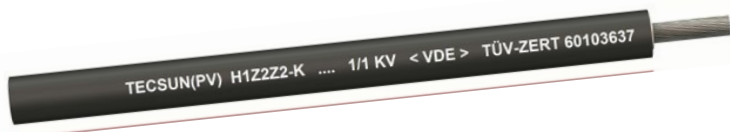
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TECSUN (PV) H1Z2Z2-K Cables for Photovoltaic



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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