

# Bring it on!

PRYSUN® photovoltaic cables are ready to face the elements of nature.



**Prysmian**  
Group

COMMITTED TO SUSTAINABILITY

## Renewable energy sources are key for a sustainable future.

*We need to work together to reduce the environmental impact and lower our carbon footprints.*

Prysmian Group works in partnership with solar companies worldwide to meet the global demand for energy and assist businesses in the renewables market. Keenly aware of our responsibility to the planet and to our customers, we constantly foster innovation to carry out sustainable projects and business operations.

Affirming this commitment to innovation and sustainability, we deliver solutions for premium photovoltaic solar systems, renowned in the sector for their long-lasting performance and high reliability.

Do you want to know more?  
Visit our website: [www.prysmiangroup.com](http://www.prysmiangroup.com)

**Prysmian**  
Group

*Make hay while  
the sun shines –  
choose PRYSUN®*

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[www.prysmiangroup.hu](http://www.prysmiangroup.hu)

# PRYSUN® photovoltaic cables are ready to face the elements of nature.

PRYSUN® photovoltaic cables are developed to meet the strictest international standards. They will persevere in the face of the toughest environmental conditions, whether the installations are part of a solar park, rooftop panels, integrated in buildings or mobile. Simply a ray of sunshine bringing renewable energy to people.

## PRYSUN®

### Application

Our cable production technologies in photovoltaic plants are at work across the renewable sectors, supporting the operations of contractors and developers, grid operators, system integrators as well as panel makers.

Flexible PRYSUN® photovoltaic cables are designed for the interconnection between solar panels, panels and string boxes or from string boxes to an inverter. They are suitable for applications indoor and/or outdoor, in industrial and agriculture fields, for equipment with protective insulation (Protecting Class II), as well as explosive hazardous areas (PRYSMIAN Internal Testing). They may be installed fixed, freely suspended or free movable, in cable trays, conduits, on and in walls.

### What we offer

We can offer you a full range of cable solutions for your photovoltaic installations, including both energy cables produced right here in Hungary, and optical fibre cables designed and delivered by our Prysmian colleagues at our plants in Europe.

## MAIN FEATURES

- ✓ UV resistant
- ✓ Cold resistant
- ✓ Flame retardant
- ✓ Halogen free
- ✓ Low smoke opacity



	H1Z2Z2-K	NA2XY-0	NAVY
<b>Global data</b>			
Brand	PRYSUN		
Type designation	H1Z2Z2-K	NA2XY-0	NAVY
Standard	EN 50618 IEC 62930	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)	DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Certifications	TÜV-Certificate nr. 60144436	DIN VDE 0276-603 (HD 603 S1)	DIN VDE 0276-603 (HD 603 S1)
CPR		Acc. to DIN EN 50575	Acc. to DIN EN 50575
<b>Design features</b>			
Conductor	Flexible tinned copper finely stranded class 5	Aluminium	Aluminium
Insulation	Halogen free cross-linked compound	XLPE (cross-linked polyethylene)	PVC
Outer sheath	Halogen free cross-linked compound	PVC	PVC
Available colours	Black, red	Black	Black
Marking	U PRYSMIAN GROUP PRYSUN H1Z2Z2-K 1x6 1/1 kV TÜV-ZERT R 60090815	NA2XY-0 1 x 120 RM 0,6/1 kV	NAVY-0 1 x 120 RM 0,6/1 kV
<b>Electrical parameters</b>			
Rated voltage	1/1 kV AC ; 1.5/1.5 kV DC	0.6/1 kV (600/1000V)	0.6/1 kV (600/1000V)
Test voltage	6.5 kV AC / 15 kV DC	4 kV	4 kV
<b>Chemical parameters</b>			
Performance against fire	EN 60332-1	EN 60332-1	EN 60332-1
Smoke emission	EN 61034-2		
Lead free	Yes	Yes	Yes
UV resistance	Yes	Yes	Yes
Environmental friendly	Comply with ROHS directive 2011/65/EU	Comply with ROHS directive 2011/65/EU	Comply with ROHS directive 2011/65/EU
<b>Thermal parameters</b>			
Max. operating temperature of conductor	90 °C (120 °C for 20,000 hours)	90 °C	70 °C
Operation temperature	-40 °C to 90 °C	-40 °C to 90 °C	-40 °C to 70 °C
Min. installation temperature	-25 °C	-5 °C	-5 °C
<b>Mechanical parameters</b>			
Min. bending radius	4 D	12 D	12 D

Please check our homepage: [www.prysmiangroup.hu](http://www.prysmiangroup.hu) for more details.

# Linking the future

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