



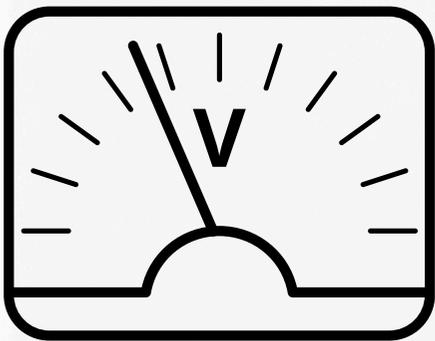
# **DECODING DC CABLE STANDARDS**



# KEY CERTIFICATION

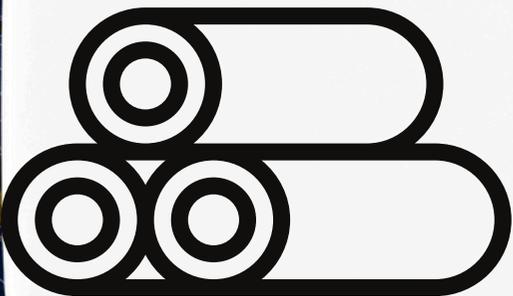
<b>Standard</b>	<b>Applicable regions</b>	<b>Highlights</b>
TÜV Rheinland 2 PFG 2750	German	Improved water-resistant
IEC 62930	Global	Adopted worldwide
UL 4703	North America	Rated voltage up to 2000V DC
CSA-Std. C22.2 No. 271	Canada	Similar to UL standard
EN 50618	European	Mandatory for European countries

# TECHNICAL HIGHLIGHTS



## RATED VOLTAGE

- DC 1500V (Most standards)
- DC 2000 V (UL standard)



## MATERIAL

- Copper conductor (IEC 62930, EN 50618 standard)
- Al conductor (UL 4703)



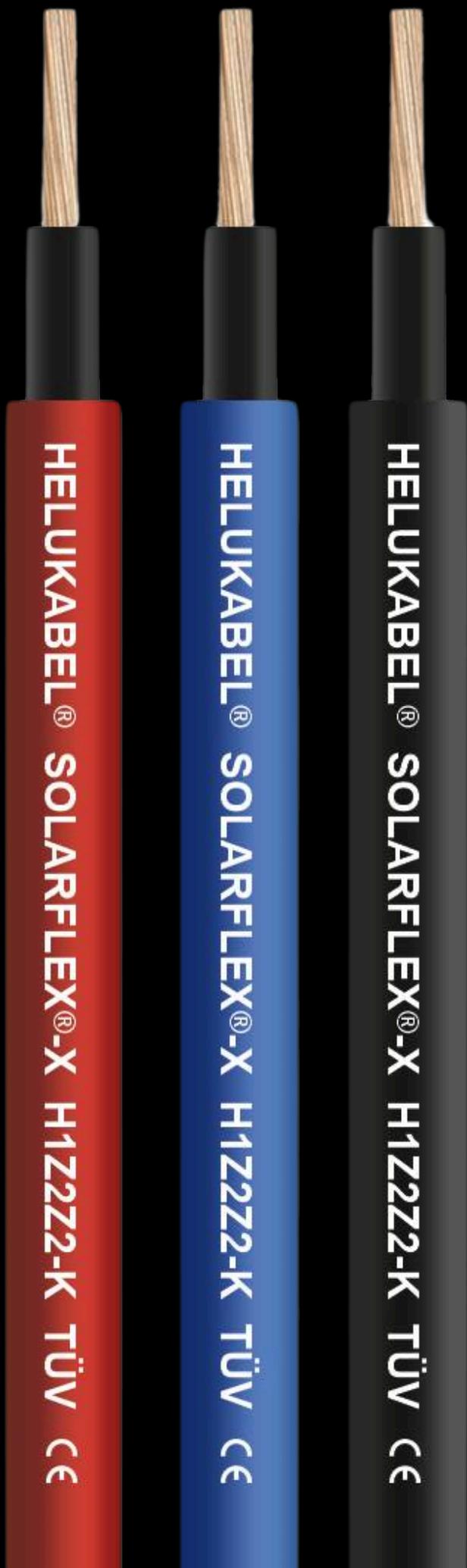
## FLAME TEST

- Flame test acc. to IEC 60332-1+2 (Most standards)
- VW-1 test (UL standard)

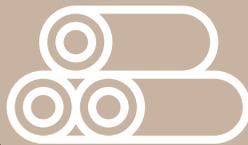
# HELUKABEL DC CABLES

Cables	Applicable standards
SOLARFLEX®-X H1Z2Z2-K	DIN EN 50618
SOLARFLEX®-X H1Z2Z2-K NTS	DIN EN 50618
HELUPOWER® SOLARFLEX®-X H1Z2Z2-K UL	DIN EN 50618 IEC 62930 UL 4703
HELUPOWER® SOLARFLEX®-X PREMIUM	DIN EN 50618 IEC 62930 TÜV Rheinland 2 PFG 2750
HELUPOWER® SOLARFLEX®-X RPVU90-AL	UL 4703 CSA-Std. C22.2 No. 271
HELUPOWER® SOLARFLEX®-X RPVU90-CU	UL 4703 CSA-Std. C22.2 No. 271

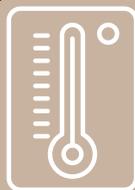
# SOLARFLEX®-X H1Z2Z2-K



**DC 1500 / 1500 V**



**Cross-linked material**



**-40°C to +90°C**



**2.5 - 240 mm<sup>2</sup>**

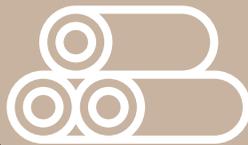


**Standard version, suitable for direct burial**

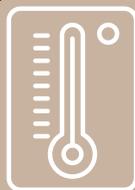
# SOLARFLEX®-X H1Z2Z2-K NTS



**DC 1500 / 1500 V**



**Additional stainless steel braiding (V2A)**



**-40°C to +90°C**



**4 - 6 - 10 mm<sup>2</sup>**

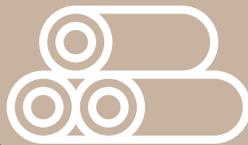


**Chemical-free rodent-protection solution**

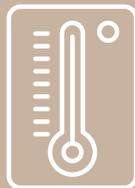
# HELUPOWER<sup>®</sup> SOLARFLEX<sup>®</sup>-X H1Z2Z2-K UL



DC 2000 V (UL)



Cross-linked material,  
Sunlight Resistance



-40°C to +90°C

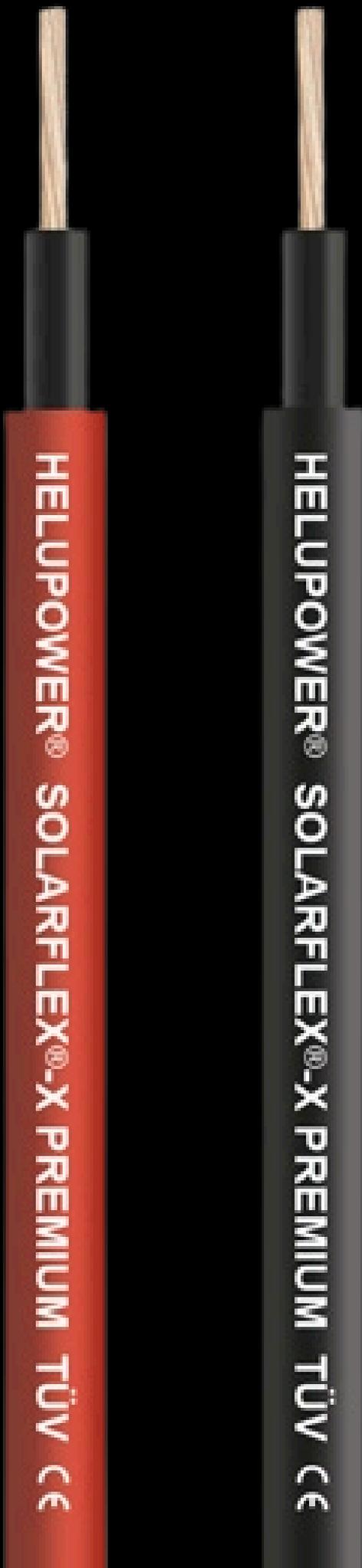


4 - 6 - 10 mm<sup>2</sup>

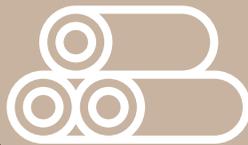


EN, IEC, UL approval

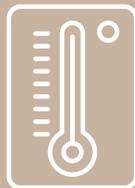
# HELUPOWER® SOLARFLEX®-X PREMIUM



DC 2000 V (UL)



Cross-linked material



-40°C to +90°C



2.5 to 240 mm<sup>2</sup>

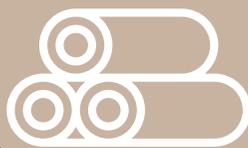


Solar cable for floating  
PV systems

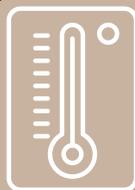
# HELUPOWER® SOLARFLEX®-X RPVU90-AL



DC 2000 V (UL)



Al conductor,  
Cross-linked material



-40°C to +90°C



350 to 1500 kcmil

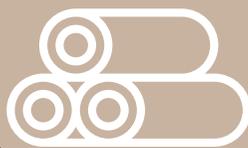


Large scale PV systems

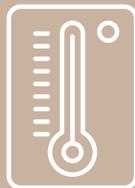
# HELUPOWER® SOLARFLEX®-X RPVU90-CU



**DC 2000 V (UL)**



**Copper conductor,  
Cross-linked material**



**-40°C to +90°C**



**8 - 10 - 12 - 14 mm<sup>2</sup>**



**UL, CSA certification**

# Chains, Cables, Assemblies: Quality from a Single Source

