

# HELUPOWER® SOLARFLEX®-X RPVU90-CU

UL 2000 V DC



## TECHNICAL DATA

Cross-linked single core cable acc. to UL-Std. 4703 (PV Wire),  
CSA-Std. C22.2 No. 271 (PV Cables)

**Temperature range** fixed -40°C to +90°C

**Permissible operating temperature of the conductor**  
+120°C

**Nominal voltage** UL (PV) DC 2000 V

**Test voltage** 10000 V

**Minimum bending radius** fixed 5x Outer-Ø

## CABLE STRUCTURE

- Copper wire tinned, finely stranded, AWG sizes
- Core insulation: cross-linked compound
- x = without protective conductor
- Outer sheath: cross-linked compound
- Sheath colour: see table

## PROPERTIES

- resistant to: UV radiation, ozone, weathering effects
- for outdoor use
- direct burial
- halogen-free

## TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- flame-retardant acc. to UL VW-1, CSA FT1
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- UV-resistant acc. to UL Std. 2556, CSA Std. C22.2 No. 2556

## APPLICATION

HELUPOWER® SOLARFLEX®-X RPVU90-CU is used for wiring solar modules. Suitable for direct burial; recommendation: laying in pipes. Minimum temperature during installation and handling: -25°C.

No. cores x AWG-No.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.	red Part no.	black Part no.
1 x 14	5.6 - 6.0	20.0	49.0	<b>18089442</b>	<b>18089441</b>
1 x 12	6.1 - 6.5	31.7	65.0	<b>18089427</b>	<b>18089426</b>
1 x 10	6.7 - 7.1	50.5	88.0	<b>18089429</b>	<b>18089428</b>
1 x 8	8.1 - 8.5	80.3	131.0	<b>18089431</b>	<b>18089430</b>