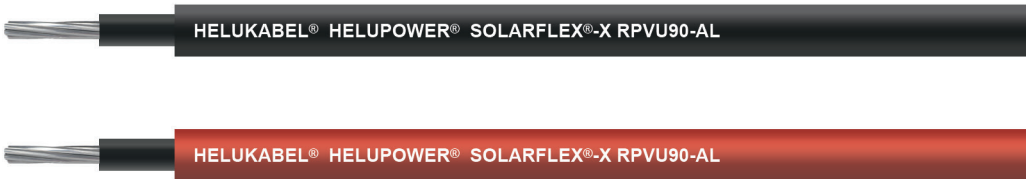


HELUPOWER® SOLARFLEX®-X RPVU90-AL

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 7x Outer-Ø

CABLE STRUCTURE

- Al conductor, stranded, AWG sizes
- Core insulation: cross-linked compound
- x = without protective conductor
- Outer sheath: cross-linked compound

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-AL 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	Al factor per km	Weight kg/km, approx.	red	black
				Part no.	Part no.
1 x 350 kcmil	24.3 - 25.1	513.3	916.0	18089450	18089432
1 x 500 kcmil	27.2 - 28.2	733.7	1156.0	18089451	18089433
1 x 750 kcmil	32.5 - 33.5	1102.0	1715.0	18089452	18089434
1 x 900 kcmil	33.8 - 35.8	1322.4	1794.0	18089454	18089453
1 x 1000 kcmil	35.1 - 37.5	1470.3	1842.0	18089456	18089455
1 x 1250 kcmil	42.4 - 45.4	1835.7	2447.0	18089458	18089457
1 x 1500 kcmil	45.3 - 48.3	2204.0	2843.0	18089460	18089459