

# HELUWIND® WK POWERLINE ALU 0,6/1 kV



finely stranded Al wire, extremely flexible



## TECHNICAL DATA

Sheathed single core cable in alignment with DIN VDE 0250-813

**Temperature range** flexible -20°C to +90°C  
fixed -40°C to +90°C

**Permissible operating temperature of the conductor** +90°C

**Nominal voltage** AC U<sub>0</sub>/U 600/1000 V

**Test voltage core/core** 4000 V

**Minimum bending radius** flexible 10x Outer-Ø  
fixed 4x Outer-Ø

## ■ CABLE STRUCTURE

- Al wire, finely stranded
- Core insulation: Special-PVC
- Core identification: black
- x = without protective conductor
- Outer sheath: Special-PVC
- Sheath colour: black

## ■ PROPERTIES

- resistant to: oil, UV radiation

- excellent flexibility enables fast laying
- recyclable

## ■ TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

## ■ APPLICATION

Extremely flexible aluminium cable for use in many areas of energy and plant engineering. The high flexibility and low dead weight can significantly reduce labour time required for installation in the field. The HELUWIND® WK POWERLINE ALU may only be handled using the certified HELUKABEL® C8 crimping method according to IEC 61238-1 Class A. The appropriate tools for this connection method are available for delivery (may also be rented).

## ■ NOTES

- the conductor is metrically (mm<sup>2</sup>) constructed, AWG numbers are approximated, and are for reference only
- Further details, as well as information regarding custom solutions and suitable connection technology, can be found at [wind@helukabel.de](mailto:wind@helukabel.de)

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Al-weight kg/km	Weight kg/km, approx.
707062	1 x 70	2/0	16.5	206.0	379.0
707063	1 x 95	3/0	17.9	280.0	480.0
707064	1 x 120	4/0	19.7	355.0	576.0
706408	1 x 150	250 kcmil	21.7	441.0	743.0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Al-weight kg/km	Weight kg/km, approx.
706088	1 x 185	350 kcmil	24.3	544.0	950.0
706089	1 x 240	400 kcmil	28.1	706.0	1150.0
706084	1 x 300	500 kcmil	31.4	882.0	1400.0
706085	1 x 400	750 kcmil	35.0	1176.0	1692.0