

HELWIND® WK POWERLINE ALU ROBUST 1,8/3 kV



finely stranded Al wire, extremely flexible, highly abrasion-resistant



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 U₀/U 1800/3000 V

Test voltage core/core 9000 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-PUR
- Sheath colour: black

■ PROPERTIES

- resistant to: oil, UV radiation
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant, low adhesion

- 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. Due to the sheathing material used, the HELWIND® WK POWERLINE ALU ROBUST is extremely resistant to abrasion and mechanical stress. It 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 (mm²) 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

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Al-weight kg/km	Weight kg/km, approx.
707692	1 x 185	350 kcmil	24.3	544.0	920.0
707693	1 x 240	400 kcmil	28.1	706.0	1212.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Al-weight kg/km	Weight kg/km, approx.
707694	1 x 300	500 kcmil	31.4	882.0	1416.0
707695	1 x 400	750 kcmil	35.0	1176.0	1793.0