

HELUWIND® WK POWERLINE ALU HALOGEN-FREE 1,8/3 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 ₀ /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: halogen-free TPE-O
- Core identification: black
- x = without protective conductor
- Outer sheath: halogen-free TPE-O
- Sheath colour: black

■ PROPERTIES

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Al-weight kg/km	Weight kg/km, approx.
709143	1 x 185	350 kcmil	25.7	544.0	1009.0
709144	1 x 240	400 kcmil	29.8	706.0	1228.0

- resistant to: oil, UV radiation
- abrasion-resistant
- excellent flexibility enables fast laying
- halogen-free
- recyclable

■ 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 (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.
709145	1 x 300	500 kcmil	33.4	882.0	1487.0
709146	1 x 400	750 kcmil	36.7	1176.0	1891.0