

HELUWIND® WK POWERLINE ALU SINGLE

0,6/1 kV, flexible aluminium stranded wires



Technical data

- **Temperature range**
flexing -20°C to +90°C
fixed installation -40°C to +105°C
- Permissible conductor **operating temperature** +105°C up to 3000h
- **Nominal voltage**
0,6/1 kV
- **Test voltage**
2,5 kV
- **Minimum bending radius**
4x cable Ø acc. to
DIN VDE 0298 Part 3, Table 2
- **Flame test**
IEC 60332-1-2
- **Approvals**
conforms to DIN VDE 0250-813
UL/CSA in preparation

Cable structure

- Fine-wire aluminium strands
- Special insulation black
- Other colours available upon request

Properties

- UV resistant
- Oil resistant
- Easy to assemble
- Recyclable

Note

For more information, especially on custom cables and connectivity solutions, please contact us: wind@helukabel.de

Application

The HELUWIND® WK POWERLINE ALU Single is a highly flexible, fine-wire, single conductor with a heat-resistant wire insulation. Its reduced weight of up to 50% over comparable copper wires (H07-VK) provides a huge advantage in many applications.

The HELUWIND® WK POWERLINE ALU Single may only be used with certified connection technology from HELUKABEL®. This includes C8 crimp connections and screwed connections; both described in the "Connection Technology" section and tested in accordance with IEC 61238-1 cl. A. A space-saving welding technique is available as an additional option.

The wire is also available in a halogen-free design, with UL/CSA approval, and a rated voltage of 1.8/3 kV. Suitable for the interior wiring of devices, distributors, and switchboards as well as for protected laying in and on lamps with a nominal voltage up to 1000 V AC or up to 750 V DC towards the end. Not suitable for direct laying on trays, gutters, or tubs.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	AL weight kg / km	Weight app. kg / km
709914	1 x 70	-	15,9	206,0	315,0
709915	1 x 95	-	17,2	280,0	420,0
709916	1 x 120	-	18,2	355,0	507,0
709917	1 x 150	-	19,2	441,0	601,0

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	AL weight kg / km	Weight app. kg / km
709918	1 x 185	-	22,1	544,0	950,0
709919	1 x 240	-	25,1	706,0	1060,0
709920	1 x 300	-	27,8	882,0	1290,0
709921	1 x 400	-	32,7	1176,0	1460,0

Dimensions and specifications may be changed without prior notice.