

# HELUWIND® WK POWERLINE ALU 105°C<sub>0,6/1kV or 1,8/3kV</sub>,

also available as a robust version



## Technical data

- **Temperature range**  
flexing -20°C to +90°C  
fixed installation -40°C to +105°C
- **Operating temperature at conductor**  
max. +105°C
- **Nominal voltage**  
0,6/1 kV
- **Test voltage**  
2,5 kV
- **Minimum bending radius**  
flexing 10x cable Ø  
fixed installation 4x cable Ø
- **Flame test**  
IEC 60332-1
- **Approvals**  
acc. to DIN VDE 0250-813  
UL/CSA in preparation

## Cable structure

- Aluminium conductor, fine stranded wires
- Special insulation black
- Sheath special compound
- black sheath

## Properties

- UV resistant
- oil-resistant
- easy to assemble
- recyclable

## Note

Please ask for our extended notes/information about the properties and for the necessary connection technology.  
Please contact us with your individual requirements via  
fax +49 7150 9209 5135.

## Application

The WK POWERLINE ALU is a highly flexible aluminium cable with a finely stranded structure and is designed for use in the power engineering sector; specifically, for power cabling in wind power plants. Thanks to its high degree of flexibility and low tare weight, this cable can be fed into the tower as a single length. This eliminates the need for time-consuming cabling of each individual tower segment. However, its key advantage lies in the process reliability the connection technology offers: using this cable can reduce the number of interruptions between the topmost tower segment and the converter from 90 connection points to just 18 (depending on the number of power cables and tower segments). As a result, the amount of time required for installation can drop from several days to a few hours. For torsion applications, we recommend the WK 103-T, WK 135-T or WK 137-T. The WK POWERLINE ALU may only be used with certified connection technology from HELUKABEL®: either C8 crimp connections or screwed connections (tested in accordance with IEC 61238-1 Cl. A). See the accessories section of the catalogue. The cable is also available with a halogen-free design, UL/CSA approval or a rated voltage of 1.8/3 kV.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Dimensions and specifications may be changed without prior notice.