

HELUWIND® WK 300w-Torsion 1,8/3kV UV-resistant, also suitable for underground laying



Technical data

- **Temperatur range**
flexing -35°C to +90°C
fixed installation -40°C to +90°C
installation -20°C to +90°C
- **Operating temperature at conductor**
max. +90°C
- **Nominal voltage**
VDE U₀/U 1,8/3 kV
- **Test voltage**
9000 V
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 5x cable Ø
- **Torsion application**
+/- 100° per 1m for unscreened version
- **Flame test**
FT1, VW-1, IEC 60332-1
flame retardant and self-extinguishing

Cable structure

- Special bare copper conductor, fine stranded acc. to IEC 60228
- Special heat-resistant insulation black
- Sheath special heat-resistant compound
- Black sheath

Properties

- UV-resistant
- multi-climate operation
- torsion tested
- flame-retardant
- oil-resistant
- recyclable
- **easy to assemble**
- also for direct burial

Note

Other diameters, part-no. and prices on request.
Please contact us with your individual requirements via
fax +49 7150 9209 5135.

Application

The WK 300w has been designed for flexible use, and specifically for torsional load in the cable loop of a wind power plant. The WK series has been successfully tested with more than 18,000 torsion cycles and thus offers optimum operational reliability far beyond the service life of the wind power plant. Another special feature is the higher voltage level of 1.8/3 kV. The WK 300w is also designed for flexible installation through ductwork and in the ground. It can be used in power cabling from a converter cabinet to an external transformer station, for example. A conductor temperature of +90° enables a high level of current carrying capacity.

Dimensions and specifications may be changed without prior notice.