

HELUWIND® WK 310-Torsion 1,8/3kV

UV-resistant, suitable for offshore



Technical data

- **Temperature range**
flexing -40°C to +90°C
fixed installation -40°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
- **Flame test**
IEC 60332-3, FT2
- **Halogen free**
IEC 60754-1
- **Smoke density**
IEC 61034-1+2
- **Oil test**
acc. to oil res II

Application

The WK 305 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 305 can be used instead of the WK 300 in cases where cables need to be halogen-free.

Dimensions and specifications may be changed without prior notice.

Cable structure

- Special bare copper conductor, fine stranded acc. to IEC 60228
- Special insulation black
- Sheath SSH compound low adhesion
- Black sheath

Properties

- halogen free
- extremely abrasion resistant
- low adhesion
- high flame retardant
- torsion tested
- suitable for offshore
- extremely oil resistant
- UV resistant
- recyclable
- Multi climate operation
- designed for CCV application
- **easy to assemble**

Note

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