

HELUWIND® WK 300w-Torsion

1,8/3 kV, UV resistant, direct burial



Technical data

- **Temperatur range**
flexing -35°C to +90°C
fixed installation -40°C to +90°C
installation -20°C to +90°C
- Permissible conductor **operating temperature** +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**
for unscreened version
+/- 100° per 1m
- **Flame test**
self-extinguishing and flame retardant
acc. to IEC 60332-1-2

Cable structure

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

Properties

- UV resistant
- Multi-climate operation
- Torsion tested
- Flame retardant
- Oil resistant
- Recyclable
- Easy to assemble
- Also for direct burial

Note

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

Application

The WK 300w-Torsion 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 for 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-Torsion 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.

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
706432	1 x 35	-	14,8	336,0	500,0
706399	1 x 50	-	16,6	480,0	660,0
712574	1 x 70	-	19,5	672,0	920,0
706401	1 x 95	-	23,9	912,0	1300,0
706402	1 x 120	-	24,8	1152,0	1600,0

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
706403	1 x 150	-	25,9	1440,0	1990,0
706404	1 x 185	-	28,1	1776,0	2430,0
706405	1 x 240	-	31,2	2304,0	2877,9
706406	1 x 300	-	34,2	2880,0	3960,0
706407	1 x 400	-	39,2	3840,0	4800,0

Dimensions and specifications may be changed without prior notice.