HELUWIND® WK 135-T, WK 135 D-EMV T UV-resistant, UL/CSA-Style** 10553 / 20234, Single-/Multicore 90°C (80°C acc. to UL), suitable for offshore

Technical data

- **Temperature range**
  flexing -40°C to +90°C
  fixed installation -40°C to +90°C
  UL +80°C
- **Operating temperature at conductor**
  max. +90°C
- **Nominal voltage**
  VDE U_0/U 0,6/1 kV
  UL 1000 V
- **Test voltage**
  core/core 4000 V
- **Minimum bending radius**
  flexing 8x cable Ø
  fixed installation 4x cable Ø
- **Torsion application**
  +/-150° per 1m
- **Approvals**
  Singlecore UL-Style 10553
  Multicore UL-Style 20234
  cRUus
- **Flame test**
  FT1, IEC 60332-3-24
  UL 758, Cable flame test
- **Halogen free**
  IEC 60754-1
- **Smoke density**
  IEC 61034-1+2
- **Oil**
  acc. to oil res II
- **WTTC** in preparation

Cable structure

- Special bare copper conductors, fine stranded acc. to IEC 60228
- Insulation special compound
- Core identification
  JZ: black with white numbers + GN-YE conductor
  or colour code DIN 47100 or VDE 0293 HD 308
- Multiconductors cabled
- Sheath special compound
- Black sheath

Properties

- halogen-free
- extremely abrasion-resistant
- low adhesion
- high flame retardant
- torsion testet
- 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.

Highest permissible Voltage

- DC:
  Conductor/Conductor 1,8 kV
  Conductor/Earth 0,9 kV
- AC: Conductor/Earth 0,7 kV
- Three phase: Conductor/Conductor 1,2 kV

Application

The WK 135 has been designed for flexible use, and specifically for torsional load in the cable loop of a wind power plant. The voltage level has been configured as 0. 6/1 kV for all dimensions, which means that the cables can also be laid in parallel in compliance with UL standards. It is no longer necessary to separate the cable routes. Thanks to its highly durable sheath and absence of halogen, this cable is ideal for use in offshore wind power plants. 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. Advantages of WK 135-T over H07BN4-F: Fire behaviour in accordance with IEC 60332-3-24 Increased wear resistance Recyclable

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

Dimensions and specifications may be changed without prior notice.