

HELUWIND® WK THERMFLEX® 145

UV resistant, halogen-free, +145°C



HELUKABEL HELUWIND® WK THERMFLEX® 145



Technical data

- **Temperature range**
flexing -20°C to +120°C
fixed installation -55°C to +145°C
- **Nominal voltage**
U₀/U 0,6/1 kV
- **Test voltage**
4000 V
- **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
- **Insulation resistance**
min. 100 MOhm x km
- **Minimum bending radius**
flexing 12,5x cable Ø
fixed installation 4x cable Ø
- **Flame test**
IEC 60332-3-24 Cat.C

Cable structure

- Tinned copper conductor, fine stranded acc. to IEC 60228 cl.5
- Insulation: special polyolefin-copolymer, halogen-free, flame retardant
- Sheath colour: black

Properties

- Halogen-free, no release of corrosive or toxic gases
- Reduced propagation of fire
- Minimal smoke generation
- Good abrasion resistance
- Good oil and weathering resistance
- Resistant to UV radiation and ozone
- Thermal class B
- Easy to assemble
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Note

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

Application

This special cable can be used as a generator connecting cable in wind power plants, for example. Other areas of application: Connecting cable for temperature class B (130°C) in the case of motors, transformers, relays, coils, magnets, and so on. Unit connections in the automotive industry. Halogen-free wiring of switchgear and control cabinets. Connecting cable for heating equipment. Supply line for high-power lighting in industry, sports centres and street lighting.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
75486	1 x 6	-	5,4	58,0	70,0
75487	1 x 10	-	6,8	96,0	119,0
75488	1 x 16	-	8,5	154,0	180,0
75489	1 x 25	-	10,3	240,0	270,0
75490	1 x 35	-	11,8	336,0	373,0
75491	1 x 50	-	13,9	480,0	528,0
75492	1 x 70	-	16,0	672,0	728,0

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
75493	1 x 95	-	17,3	912,0	966,0
75494	1 x 120	-	20,0	1152,0	1230,0
75495	1 x 150	-	22,1	1440,0	1530,0
71437	1 x 185	-	24,8	1776,0	2106,3
75496	1 x 240	-	27,7	2304,0	2583,8
706557	1 x 300	-	30,0	2880,0	3910,0
706558	1 x 400	-	38,7	3840,0	4870,0

Dimensions and specifications may be changed without prior notice.