

# HELUWIND® WK MS Multi-Torsion UL/CSA

3,6/6 kV, 12/20 kV, 24/38 kV



HELUKABEL HELUWIND® WK MS Multi-Torsion UL/CSA 12/20kV

## Technical data

- **Temperatur range**  
flexing -40°C to +90°C
- **Nominal voltage**  
3,6/6 kV  
12/20 kV  
or 24/38 kV
- **Minimum bending radius**  
12x cable Ø
- **Torsion application**  
+/- 105° per 1m
- **Approvals**  
UL 1072

## Cable structure

- Special bare copper conductor, fine stranded acc. to IEC 60228
- Special semiconductor layer
- Special insulation EOR or AVGM
- Core insulation with semiconductor layer for N-conductor
- Cores wrapping
- Tinned copper screen
- Inner sheath: special compound
- Sheath: special halogen-free compound
- Sheath colour: black

## Properties

- Global application
- Abrasion resistant
- Flame retardant
- Torsion tested
- Suitable for offshore applications
- Oil resistant
- UV resistant
- Multi-climate operation
- Designed for CCV application
- Easy to assemble

## Note

For more information, especially on custom cables, please contact us: [wind@helukabel.de](mailto:wind@helukabel.de)

## Application

The WK MS Multi-Torsion UL/CSA has been designed for flexible use, and specifically for torsional load in the cable loop of a wind turbine in the voltage levels 3.6/6 kV, 12/20 kV and 24/38 kV. Due to its flexible design, this cable is ideal for tight bending radii used in power cabling of wind turbines. Compared to the WK MS-Multi-Torsion, the cable holds an UL/CSA approval.

### 3,6/6kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
708734		3x4+4	40,1	960,0	2600,0
708735		3x2+2	45,1	1344,0	3020,0
708736		3x1+1	47,2	1920,0	3500,0
708737		3x2/0+2/0	51,9	2688,0	4210,0

### 12/20kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
708738		3x4+4	41,9	960,0	2790,0
708739		3x2+2	47,0	1344,0	3231,0

### 12/20kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
708740		3x1+1	49,3	1920,0	3711,0
708741		3x2/0+2/0	54,0	2688,0	4421,0

### 24/38kV

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
708742		3x4+4	43,6	960,0	2910,0
708743		3x2+2	48,9	1344,0	3400,0
708744		3x1+1	51,2	1920,0	3921,0
708745		3x2/0+2/0	56,0	2688,0	4638,0

Dimensions and specifications may be changed without prior notice.