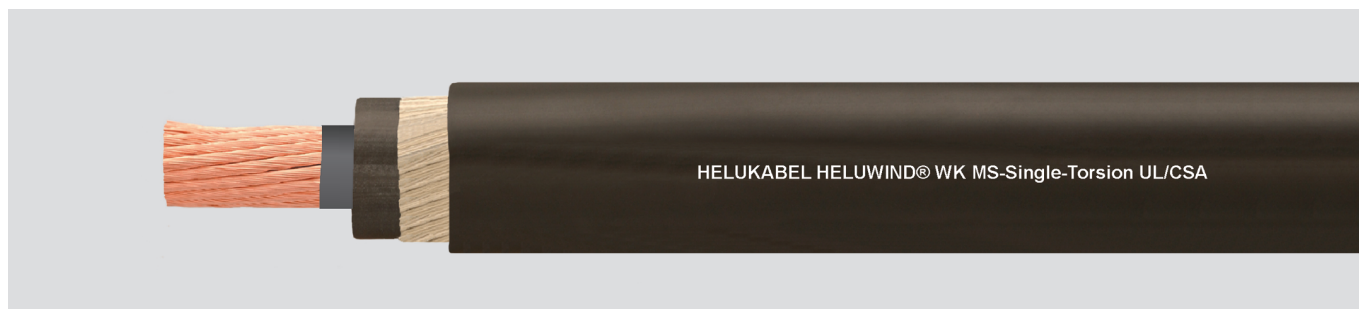


# HELUWIND® WK MS Single-Torsion UL/CSA

3,6/6 kV, 12/20 kV



## Technical data

- **Temperatur range**  
flexing -40°C to +90°C
- **Nominal voltage**  
3,6/6 kV or  
12/20 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 black
- Copper screen
- Sheath: special rubber compound
- Sheath colour: black

## Properties

- Abrasion resistant
- Flame retardant
- Torsion tested
- 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 Single-Torsion UL/CSA has been designed for flexible use, and specifically for torsional load in the cable loop of a wind power plant in the voltage levels 3.6/6 kV and 12/20 kV. According to the UL standard, the WK MS-Single-Torsion UL/CSA carrying 2 kV and more is only available as a screened cable. 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-Single, the cable holds an UL/CSA approval. Copper stranding per AWG/kcmil.

### 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
708702		262 kcmil	24,1	1280,0	1790,0
708703		313 kcmil	25,5	1590,0	2072,0
708704		373 kcmil	27,8	1900,0	2376,0
708705		444 kcmil	29,9	2272,0	2770,0
708706		535 kcmil	32,7	2608,0	3246,0
708707		646 kcmil	35,1	3300,0	3801,0
708708		777 kcmil	37,3	3970,0	4492,0
708709		929 kcmil	40,1	4780,0	5344,0
708710		1111 kcmil	44,2	5690,0	6410,0

### 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
708717		262 kcmil	26,1	1280,0	1990,0
708718		313 kcmil	27,2	1590,0	2191,0
708719		373 kcmil	29,8	1900,0	2563,0
708720		444 kcmil	31,9	2272,0	2983,0
708721		535 kcmil	34,9	2608,0	3471,0
708722		646 kcmil	37,2	3300,0	4020,0
708723		777 kcmil	39,4	3970,0	4696,0
708724		929 kcmil	42,4	4780,0	5552,0
708725		1111 kcmil	46,5	5690,0	6620,0

Dimensions and specifications may be changed without prior notice.