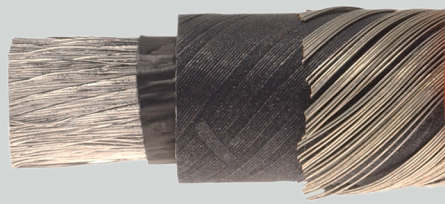


HELWIND® WK POWERLINE ALU MS SINGLE

3,6/6 kV, 12/20 kV, 18/30 kV with flexible ALU stranded wires



HELWIND® WK POWERLINE ALU MS SINGLE

Technical data

- **Temperature range**
flexing -20°C up to +90°C
- **Nominal voltage**
3,6/6 kV,
12/20 kV,
or 18/30 kV
- **Maximum short circuit conductor temperature**
+250°C
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 8x cable Ø

Cable structure

- **Conductor**
Highly flexible aluminium conductor
Extruded inner semi conductive layer
- **Insulation**
Material EPR
1st semi conductive layer extruded
2nd semi conductive layer tape wrapped
- **Screen wrapped copper wires**
- **Outer sheath**
Material special rubber compound
Colour red

Properties

- Oil resistant
- UV resistant
- Hydrolysis resistant
- Ozone resistant
- Flame retardant
- Heat resistant

Note

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

Application

Designed for use in switchboards and power generators, where very small bending radii are required. In wind turbines, for applications requiring flexible connections; ideal to be fed through the tower in one continuous length. This eliminates cost intensive connection points between the individual tower sections. Not suitable for applications in the cable loop.

3,6/6 (7,2) kV

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	AL weight kg / km	Weight app. kg / km
712184	1 x 50	-	25,0	0,0	807,0
712185	1 x 70	-	27,0	0,0	932,0
712186	1 x 95	-	28,4	0,0	1039,0
712187	1 x 120	-	30,8	0,0	1231,0
712188	1 x 150	-	33,4	0,0	1492,0
712189	1 x 185	-	34,0	0,0	1633,0
712190	1 x 240	-	38,1	0,0	1610,0
712192	1 x 300	-	41,7	0,0	2293,0
712191	1 x 400	-	46,3	0,0	2791,0

12/20 (24) kV

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	AL weight kg / km	Weight app. kg / km
712193	1 x 50	-	31,2	0,0	1214,0
712194	1 x 70	-	33,4	0,0	1389,0
712195	1 x 95	-	34,8	0,0	1516,0
712196	1 x 120	-	37,2	0,0	1756,0

12/20 (24) kV

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	AL weight kg / km	Weight app. kg / km
712197	1 x 150	-	39,8	0,0	2043,0
712198	1 x 185	-	40,4	0,0	2208,0
712199	1 x 240	-	44,3	0,0	2535,0
712200	1 x 300	-	47,3	0,0	2884,0
712201	1 x 400	-	51,7	0,0	3421,0

18/30 (36) kV

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	AL weight kg / km	Weight app. kg / km
712202	1 x 50	-	36,6	0,0	1648,0
712203	1 x 70	-	38,8	0,0	1853,0
712204	1 x 95	-	40,2	0,0	1997,0
712205	1 x 120	-	42,6	0,0	2285,0
712206	1 x 150	-	45,2	0,0	2586,0
712207	1 x 185	-	45,8	0,0	2771,0
712208	1 x 240	-	49,7	0,0	3139,0
712209	1 x 300	-	52,7	0,0	3529,0
712210	1 x 400	-	57,1	0,0	4123,0

Dimensions and specifications may be changed without prior notice.