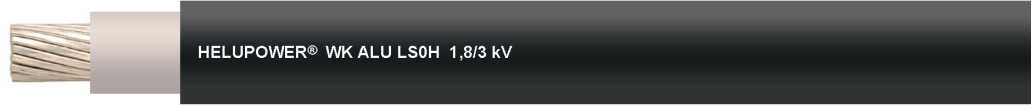


HELUPOWER® WK ALU LS0H 1,8/3 kV

High current carrying capacity, easy handling



TECHNICAL DATA

Power Cable acc. to IEC 60502-1

Temperature range	fixed -40°C to +90°C
Permissible operating temperature of the conductor	+90°C
Nominal voltage	VDE AC U ₀ /U 1800/3000 V
Minimum bending radius	fixed 4x Outer-Ø

CABLE STRUCTURE

- Al conductor, stranded acc. to DIN VDE 0295 Class 2 / IEC 60228 Class 2
- Core insulation: rubber (EPR)
- Core identification: beige
- Foil wrapping
- Outer sheath: cross-linked polyolefin acc. to DIN VDE 0266 (Compound type HXM1)
- Sheath colour: black

PROPERTIES

- resistant to: ozone
- halogen-free
- flame-retardant

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2

APPLICATION

A robust power cable for demanding industrial environments where high current-carrying capacity and exceptional durability are required. A special aluminium alloy and carefully selected rubber compounds make it easier to handle. Typical applications include data centres, mining equipment and the renewable energy sector, in particular the tower cabling of wind turbines.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- Further details, as well as information regarding custom solutions and suitable connection technology, can be found at wind@heluka-bel.de

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Al factor per km	Weight kg/km, approx.
17009846	1 x 50	1	14.5	145.0	305.0
17009847	1 x 70	2/0	16.0	203.0	399.0
17009848	1 x 95	3/0	18.0	276.0	514.0
17009849	1 x 120	4/0	20.0	348.0	604.0
17009850	1 x 150	300 kcmil	22.0	435.0	747.0
17009851	1 x 185	350 kcmil	25.0	537.0	916.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Al factor per km	Weight kg/km, approx.
17009852	1 x 240	450 kcmil	27.5	696.0	1140.0
17009853	1 x 300	500 kcmil	30.0	870.0	1395.0
17009854	1 x 400	750 kcmil	34.0	1160.0	1744.0
17009855	1 x 500	1000 kcmil	38.0	1450.0	2204.0
17009856	1 x 630	1250 kcmil	43.5	1827.0	2367.0