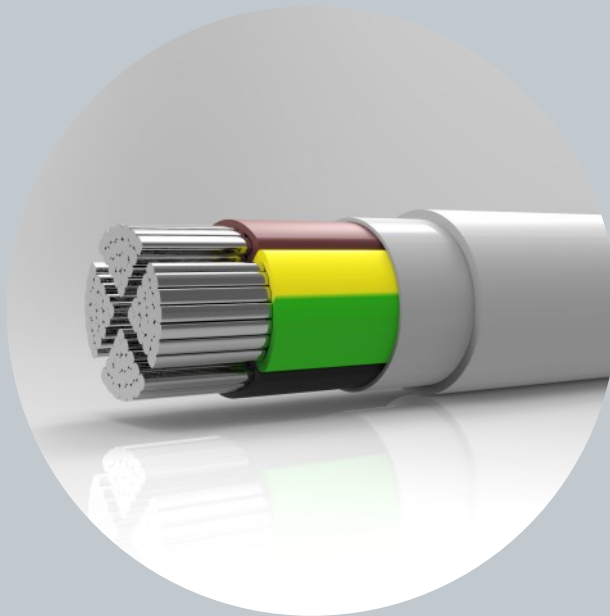




**Aluminium power cables for voltage up to 1kV**



**DK-AXQ-AL-S**  
**Halogen-free energy cable**



### Aluminium power cables for voltage up to 1kV



#### APPLICATION

Suitable for being laid in the ground and onto cable trays. Where halogen-free and environmentally friendly cables are required. Conductor insulation must be protected against light exposure.



#### CONSTRUCTION

- Aluminum conductor, resp. sector-shaped stranded (SM)
- Core insulation (XLPE)
- Inner covering (EPDM or plastic tape)
- Sheath (HFFR, UV resistant)



#### TEHNICAL DATA

**Standard:** HD 603-S1 P-5  
**Rated voltage:** 0.6 / 1kV  
**Test voltage:** 4 kV / 50 Hz

#### Temperature range

Laying temperature: min. - 5 °C  
 Conductor temperature: max. +90 °C  
 Short-circuit temperature: max. +250 °C / 5 s

**Bending radius (min):** 10 x Ø of cable

#### Fire properties:

Halogen free: IEC/EN 60754-1  
 Smoke density: IEC/EN 61034  
 Fire test: IEC/EN 60332-1





CONSTRUCTION DATA OF POWER CABLES / DK-AXQ--AL-S						
Number of cores x nominal cross section	Max. conductor resistance	Current rating in the ground	Current rating in the air	Outer diameter	Total weight (kg/km) ca.	Standard lengths / packig
(mm <sup>2</sup> )	(Ω / km)	(A)	(A)	(mm) ca.	(kg/km)	(m)
<b>4 x 50 SM</b>	0,641	158	149	34,4	1100	1000 D
<b>4 x 70 SM</b>	0,443	196	191	38	1440	1000 D
<b>4 x 95 SM</b>	0,320	234	234	43	1810	1000 D
<b>4 x 120 SM</b>	0,253	268	273	46,6	2180	1000 D
<b>4 x 150 SM</b>	0,206	300	311	50,4	2750	500 D
<b>4 x 185 SM</b>	0,164	342	360	57	3470	500 D
<b>4 x 240 SM</b>	0,125	398	427	63,2	4290	500 D



*Subject to technical changes.*

DK-AXQ-AL-S