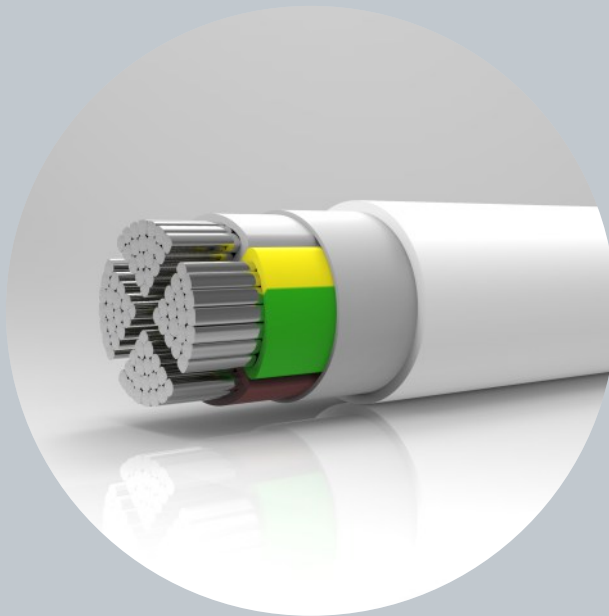


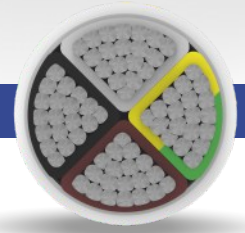


**Aluminium power cables for voltage up to 1kV**



**NOIK-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 (plastic tape)
- Sheath (halogen-free compound, UV resistant)

#### TEHNIICAL DATA

**Standard:** IEC 60502-1,  
HD 604-5F

**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 / NOIK-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>4x16</b>	1,91	78	51	20	500	1000 D
<b>4x25</b>	1,200	100	77	25,8	720	1000 D
<b>4x35</b>	0,868	125	95	28,6	800	1000 D
<b>4x50</b>	0,641	150	117	27,2	850	1000 D
<b>4x70</b>	0,443	185	148	31,2	1150	500 D
<b>4x95</b>	0,320	220	180	34,5	1480	500 D
<b>4x120</b>	0,253	255	209	39,0	1850	500 D
<b>4x150</b>	0,206	280	240	42,5	2280	500 D
<b>4x185</b>	0,164	330	274	47,5	2850	500 D
<b>4x240</b>	0,125	375	323	53,1	3620	500 D

*Subject to technical changes.*

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