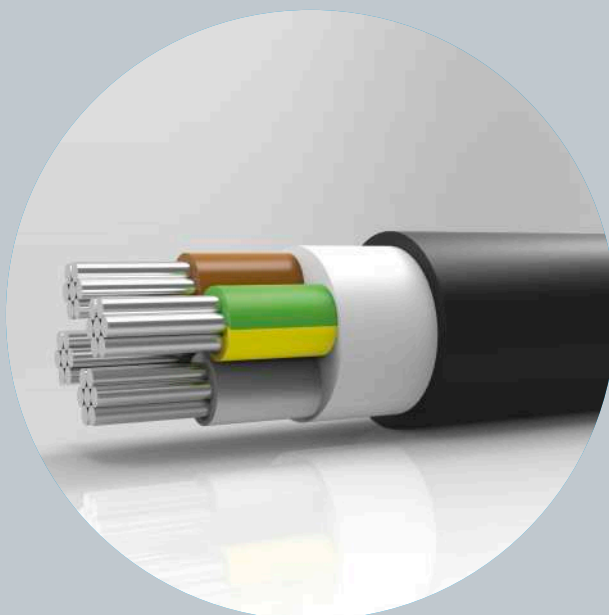




**Aluminium power cables for voltage up to 1kV**



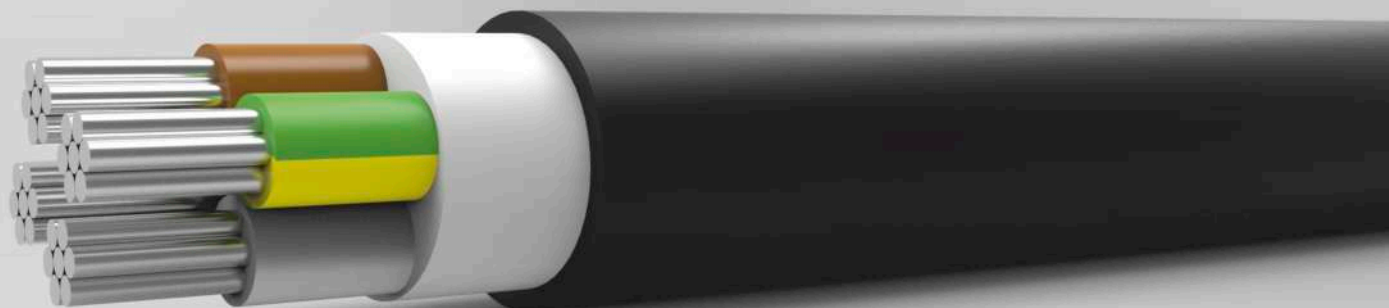
## **N1XE-AR**

**Halogen-free energy cable 0,6/1,0 kV, XLPE insulated and PE sheathed,  
with Al conductors**

# N1XE-AR



## Halogen-free energy cable 0,6/1,0 kV, XLPE insulated and PE sheathed, with Al conductors



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



#### APPLICATION



Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.

#### CONSTRUCTION



- Annealed aluminium conductor, round stranded (RM)
- Core insulation (XLPE)
- Inner covering (EPDM or plastic tape)
- Sheath (PE)

#### TEHNIICAL DATA

**Standard:** HD 603 S1/50

**Rated voltage:** 0.6 / 1kV

**Test voltage:** 4 kV / 50 Hz

#### Temperature range

Laying temperature: min. -10 °C

Operating temperature: - 10 °C up to 90 °C

Conductor temperature: max. +90 °C

Short-circuit temperature: max. +250 °C / 5 s

**Bending radius (min):** 12 x Ø of cable

**Core identification:** black or yellow polyethylene

#### Fire properties:

Flame retardant: Fire classification F1



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CONSTRUCTION DATA OF POWER CABLES / N1XE-AR						
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 16 RM</b>	1.910	76	63	18.8	320	500 D,1000 D
<b>5 x 16 RM</b>	1.910	76	63	20.7	376	500 D,1000 D
<b>4 x 25 RM</b>	1.200	102	82	22.9	495	500 D,1000 D
<b>5 x 25 RM</b>	1.200	102	82	25.6	644	500 D,1000 D
<b>4 x 50 RM</b>	0.641	144	119	27.5	740	500 D,1000 D



1) basic rated current acc. to HD 603-50  
Subject to technical changes

N1XE-AR

