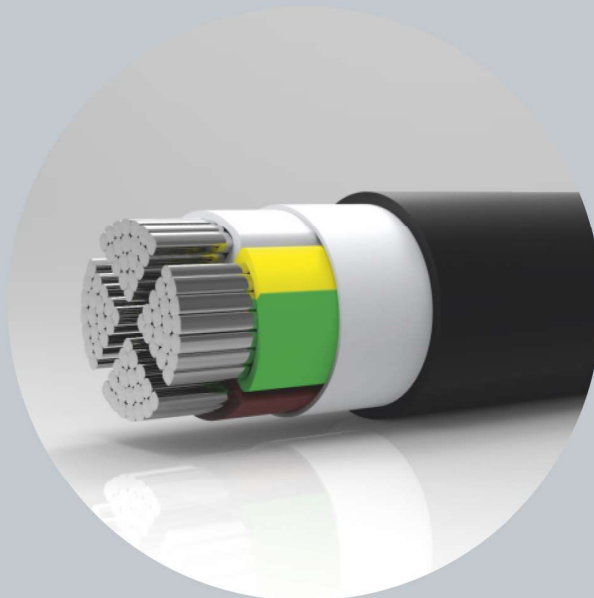


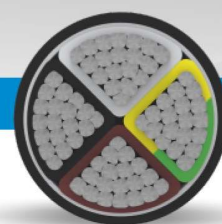


Aluminium power cables for voltage up to 1kV



SE-N1XE-AS

Energy cable 0,6/1 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, resp. sector-shaped stranded (SM)
- Core insulation (XLPE)
- Inner covering (extruded elastomere or plastomere compound or plastic tape)
- Sheath (PE, UV resistant)

TECHNICAL DATA

Standard: HD 603 S1, SS 424 14 18

Rated voltage: 0.6 / 1kV
Test voltage: 4 kV / 50 Hz

Temperature range:
 Laying temperature: min. -20°C
 Operating temperature: -50°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

CPR classification: Fca class



CONSTRUCTION DATA OF POWER CABLES /SE-N1XE-AS

Number of core x nominal cross section	Max. conductor resistance	Current rating in the ground	Current rating in the air	Outer diameter	Total weight	Al weight
(mm ²)	(Ω / km)	(A)	(A)	(mm) ca.	(kg/km) ca.	(kg/km) ca.
4 x 50 SM	0,641	158	149	26,4	832	580
4 x 95 SM	0,320	234	234	34,1	1465	1102
4 x 150 SM	0,206	300	311	42,1	2250	1740
4 x 240 SM	0,125	398	427	52,2	3603	2784

