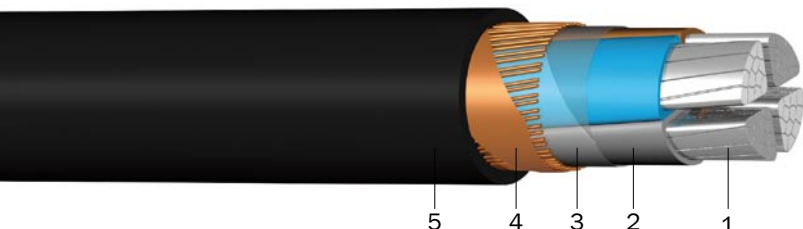


AKKJ

Underground cable with PVC insulation and PVC sheath, screened

DESIGN



- 1 | Aluminium conductor, sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape)
- 5 | Sheath (PVC black, UV-resistant)

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 – if protection against shock hazard in the event of mechanical damage or electrical screening is required.

TECHNICAL DATA



Standard:
HD 603.3L S1



Rated voltage:
0.6/1 kV



Test voltage:
3.5 kV/50 Hz



Temperature range:
 laying temperature: min. -15 °C
 operating temperature: -30 °C up to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



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



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2
 reduced flame propagation:
 EN 60332-3-24

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Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
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3 x 50 SM/15	0.641	144	119	28.1	1.130	1,000 D
3 x 70 SM/21	0.443	179	152	31.9	1,450	1,000 D
3 x 95 SM/29	0.320	215	186	35.1	1,800	1,000 D
3 x 150 SM/41	0.206	275	246	42.4	2,570	500 D

1) basic rated current acc. to HD 603.3L S1
Subject to technical changes.