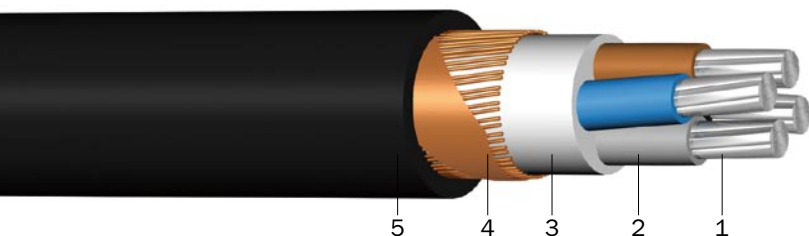


AXQJ

Halogen-free energy cable, screened

DESIGN



- 1 | Alluminium conductor, round stranded (RM), sector shaped-stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free tape)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape)
- 5 | Sheath (halogen-free polymer compound black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgear, as well as in local mains. For fixed installation in interior premises, cable ducts, in the open air.

TECHNICAL DATA



Standard:
HD 604-5I



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. -15 °C
 operating temperature: -30 °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:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2
 halogen-free, non-corrosive combustion gases:
 EN 50267-2-2
 reduced flame propagation:
 EN 60332-3-24
 low smoke emission:
 EN 61034-2

Number of cores x nominal cross section/ cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
AXQJ					
3 x 50 SM/15	0.641	152	26.3	980	500 D, 1,000 D
4 x 50 SM/15	0.641	152	30.5	1,110	500 D, 1,000 D
3 x 70 SM/21	0.443	194	31.7	1,200	500 D, 1,000 D
4 x 70 SM/21	0.443	194	34.6	1,500	500 D, 1,000 D
3 x 95 SM/29	0.320	239	32.9	1,600	500 D, 1,000 D
4 x 95 SM/29	0.320	239	38.7	1,960	500 D, 1,000 D
3 x 120 SM/41	0.253	278	40.1	1,950	500 D, 1,000 D
4 x 120 SM/41	0.253	278	43.8	2,400	500 D, 1,000 D
3 x 150 SM/41	0.206	316	41.3	2,240	500 D, 1,000 D
4 x 150 SM/41	0.206	316	48.3	2,860	500 D, 1,000 D
3 x 185 SM/57	0.164	365	45.4	2,850	500 D, 1,000 D
4 x 185 SM/57	0.164	365	53.2	3,520	500 D, 1,000 D
3 x 240 SM/72	0.125	430	50.4	3,610	500 D, 1,000 D
4 x 240 SM/72	0.125	430	59.4	4,550	500 D, 1,000 D

1) basic rated current acc. to HD 604
Subject to technical changes.