

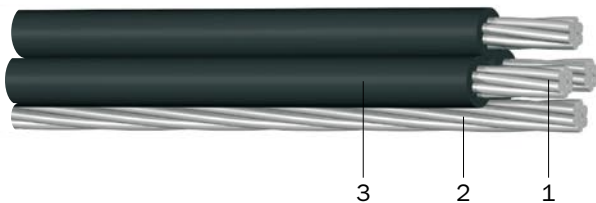
AXKA

XLPE insulated bundled overhead line with bare neutral conductor

Standard: HD 626 S1 Part 6D

Usage:

Can be used for fixed installation as overhead power lines up to 1000 V inclusive. Not suitable for direct burial.



Construction:

- 1 Aluminium conductor (phase conductor), round stranded compacted (RM)
- 2 Bare alloy aluminium conductor (neutral conductor, AIMgSi), round stranded compacted (RM)
- 3 Core insulation (XLPE black, UV-resistant), 3 cores of equal cross section and the neutral conductor stranded together in right-hand lay, additionally 1 core of reduced cross section can be co-stranded



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

laying temperature: min. -20 °C
 operating temperature: -40 °C to +90 °C
 conductor temperature: max. +90 °C
 short-circuit temperature: max. +250 °C/5 s



Bending radius (min.): 20 x core-Ø



Core identification:

Raised longitudinal ribs on the surface of the cores, the surface of one core is smooth with type designation.

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
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3 x 50/50 RM	0.641	8.0	165	27.5	580	681	500 T, 1000 T
3 x 50 + 25/50 RM	0.641/1.200	8.0/4.0	165/107	31.0	652	787	500 T, 1000 T
3 x 50 + 35/50 RM	0.641/0.868	8.0/5.5	165/132	31.5	682	818	500 T, 1000 T
3 x 95/95 RM	0.32	13.5	240	37.0	1,102	1,276	500 T, 1000 T
3 x 95 + 25/95 RM	0.641/1.200	13.5/4.0	240/107	41.3	1,175	1,382	500 T, 1000 T
3 x 95 + 35/95 RM	0.320/0.868	13.5/5.5	240/132	42.0	1,204	1,414	500 T, 1000 T

1) basic rated current acc. to HD 626 S1
 Subject to technical changes.