

## AAC (AL1)

All aluminium conductor (AAC) is an aluminium conductor widely used in distribution, regional, and transmission networks. With its excellent corrosion resistance, it is particularly well suited for coastal areas and environments exposed to harsh weather conditions.

AAC is primarily applied in urban areas where short span lengths and high conductivity are required. Due to its relatively low strength-to-weight ratio, its use is more limited in transmission lines and rural distribution networks where long spans are common.

For enhanced protection and extended service life, the conductor can be supplied with grease filling during the stranding process.

## APPLICATION

These conductors are typically used in distribution, regional, and transmission networks.

AAC is mainly used in urban areas where spans are short and high conductivity is required.

Its excellent corrosion resistance makes it suitable for coastal regions.

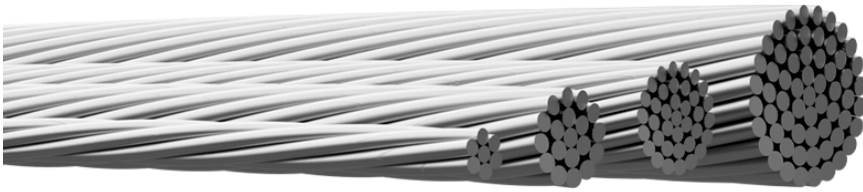
Because of its relatively low strength-to-weight ratio, it is less common in transmission and rural distribution lines with long spans.

Extra corrosion protection can be added by greasing the conductor during stranding.

## STANDARDS

### Conductor

SS EN 50182



Name	E-Number	Old code	Cross section [mm <sup>2</sup> ]	Number of strands	Strand diameter [mm]	Conductor diameter [mm]	Total weight [kg/km]	Maximum breaking load [kN]	DC resistance [Ω/km]
Vitsippa	0620211	VITSIPPA	62.4		3.37	10.1	170.6	10.3	0.4577
Kattfot	0620212	KATTFOT	99.3		4.25	12.8	271.4	15.9	0.2878
Gullviva	0620213	GULLVIVA	158.6		3.26	16.3	435.9	26.2	0.1812
Vallmo	0620214	VALLMO	241.2		4.02	20.1	662.8	38.6	0.1192
Renfana	0620215	RENFANA	330		3.37	23.6	910.2	54.5	0.0874
Akleja	0620216	AKLEJA	454.5		3.08	27.7	1257.5	75	0.0637
Hampdån	0620217	HAMPDÅN	593.6		3.52	31.7	1642.4	95	0.0487
Stormhatt	0620218	STORMHATT	774.2		4.02	36.2	2142.1	123.9	0.0374
Solros	0620219	SOLROS	910.7		4.36	39.2	2519.8	145.7	0.0318

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