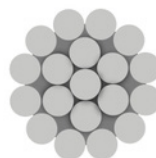


Aluminium rope AAC (AL1)



Application: Bare overhead line made of the material EN AW 1350.

The current carrying capacity is based on: up to 60 Hz at maximum permissible cable temperature: 80 °C, ambient temperature: 35 °C, solar radiation: 900 W/m², wind speed: from 0.6 m/s.

Construction and technical data:

Standard:	EN 50182
Conductor material:	aluminium
Max. temperature at conductor, °C:	80 °C
Bending radius, fixed installation:	15 x Ø

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Identification	breaking load [kN]	Modulus of Elasticity [N/mm ²]	Coefficient of linear expansion [1/K]	Dauerstrombelastbarkeit [A]
AAC, 95 mm ²	16,32	57000	23*10 ⁻⁶	340
AAC, 240 mm ²	43,66	55000	23*10 ⁻⁶	625

AAC (AL1)

part no.	part name	RI [Ohm/km]	Ø [mm]	Al	G [kg]
072155	AAC, 95 sqmm (19X2.5 mm) - (93-AL1) 93.3 sqmm	0.3081	12.5	276	276
072887	AAC, 240 sqmm (61X2,25 mm) - (243-AL1) 242,5 sqmm	0.1193	20.3	705	667

RI	Conductor resistance
Ø	outer diameter approx.
Al	Aluminium weight (GER)
G	net weight per 1000