

AAC Aerial Conductors (Bare)

Grasshopper 7_3.91

Contact

Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: Grasshopper 7_3.91

Country Ref.: 6723

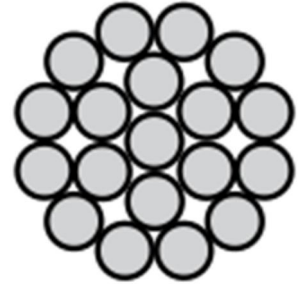
Bare aluminium conductor. Made to AS 1531.

DESCRIPTION

Application

AAC - All Aluminium Conductor

AAC aerial conductor is made of aluminium 1350. It is designed for short & medium spans with a high conductivity.



STANDARDS

National AS 1531

AAC Aerial Conductors (Bare)

Grasshopper 7_3.91

Contact

Sales and Customer Solutions
sales.nz@nexans.com

CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
--------------------	----------

Dimensional characteristics

Conductor cross-section	84.1 mm ²
-------------------------	----------------------

Stranding (No./mm)	7/3.91
--------------------	--------

Nominal overall diameter	11.7 mm
--------------------------	---------

Approximate weight	0.23 kg/m
--------------------	-----------

Mechanical characteristics

Minimum breaking load	12.8 kN
-----------------------	---------

NOTE

1. Coefficient of linear expansion $23.0 \times 10^{-6}/^{\circ}\text{C}$.
2. Modulus of elasticity:
 - a. 65 GPa for seven (7) and nineteen (19) wire conductors.
 - b. 64 GPa for thirtyseven (37) wire conductors.

Current ratings are based in an ambient temperature of 30°C, a maximum conductor temperature of 75°C, rural weathered, summer noon and intensity of solar radiation 1000 W/m².