

AAAC Aerial Conductors (Bare)

Fluorine GC 7_3.00

Contact

Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: Fluorine GC 7_3.00

Country Ref.: 9654

1120 Aluminium Alloy conductor. Made to AS 1531.

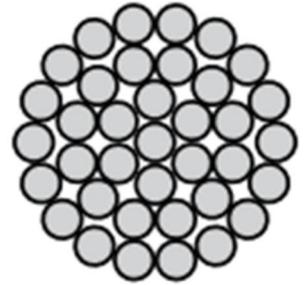
DESCRIPTION

Application

AAAC - All Aluminium Alloy Conductor

AAACaerial conductor has a high tensile strength, good corrosion resistance, light weight and comparable current carrying capacity.

It is designed for medium and long spans, can be used for LV and MV distribution networks.



STANDARDS

National AS 1531

AAAC Aerial Conductors (Bare)

Fluorine GC 7_3.00

Contact

Sales and Customer Solutions
sales.nz@nexans.com

CHARACTERISTICS

Construction characteristics

Conductor material aluminum alloy

Dimensional characteristics

Conductor cross-section 49.5 mm²

Stranding (No./mm) 7/3.00

Nominal overall diameter 9.0 mm

Approximate weight 0.14 kg/m

Mechanical characteristics

Minimum breaking load 11.8 kN

NOTE

1. GC = Greased Core
2. Coefficient of linear expansion $23.0 \times 10^{-6}/^{\circ}\text{C}$.
3. Modulus of elasticity:
 - a. 65 GPa for seven (7) and nineteen (19) wire conductors.
 - b. 64 GPa for thirtyseven (37) and sixtyone (61) wire conductors.

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