

# AAAC Aerial Conductors (Bare)

Iodine GC 7\_4.75

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

**Nexans Ref.:** Iodine GC 7\_4.75

**Country Ref.:** 9621

1120 Aluminium Alloy conductor. Made to AS 1531.

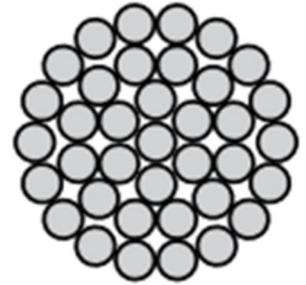
## DESCRIPTION

### 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**

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## CHARACTERISTICS

### Construction characteristics

Conductor material aluminum alloy

### Dimensional characteristics

Conductor cross-section 124 mm<sup>2</sup>

Stranding (No./mm) 7/4.75

Nominal overall diameter 14.3 mm

Approximate weight 0.34 kg/m

### Mechanical characteristics

Minimum breaking load 27.1 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/m<sup>2</sup>.