

AAAC Aerial Conductors (Bare)

Neon GC 19_3.75

Contact

Sales and Customer Solutions
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Nexans Ref.: Neon GC 19_3.75

Country Ref.: 1235

1120 Aluminium Alloy conductor. Made to AS 1531.

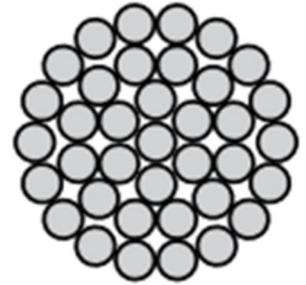
DESCRIPTION

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 210 mm²

Stranding (No./mm) 19/3.75

Nominal overall diameter 18.8 mm

Approximate weight 0.58 kg/m

Mechanical characteristics

Minimum breaking load 47.8 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.